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NEW APPROACH TO AIR FORCE PROVISIONING

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19. ABSTRACT (Continue on reverse if necessary and identify by block number) <p>The principal objective of the first study phase was to define the correlations and/or differences between commercial and Air Force provisioning methodologies. <del>Applicable data was collected at AFLC, USAir Headquarters, ALC Ogden, and USAir Provisioning Department in Pittsburgh. This data was analyzed and significant operational events in the Air Force and commercial provisioning cycles were identified and combined with their applicable data elements to construct Event Matrices. These matrices were then integrated through the identification of functionally equivalent events and common data into a unified Provisioning Matrix.</del></p> <p>The Provisioning Matrix provided schematic representation of the correlations and/or differences between Air Force and commercial methods. World Airline Suppliers' Guide data types were applied to data elements to support their organization into five sets of operationally equivalent data. Matrix elements were represented by codes in order to indicate how the data element was</p>					
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applicable to event performance. <sup>was</sup> The results of the first study phase are recorded in ADA-140494 of the Defense Technical Information Center.

The second study phase was directed toward the identification of the most cost effective method of provisioning end items other than major system acquisitions and modifications. A decision-tree analysis was progressively applied to each Provisioning Matrix and extracted Event Matrix element to identify efficiencies incorporated in the commercial provisioning method. The analysis revealed that unique Air Force provisioning requirements could be largely accommodated through the application of commercially available ATA data. Use of ATA data was determined to result in substantial reductions of current Air Force provisioning data incidence, particularly for internal and manufacturer directed data requirements. Reductions were projected to exceed 27% of the current Air Force provisioning data requirement.

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## EXECUTIVE SUMMARY

Completion of the first study phase resulted in the specification of correlations and/or differences between the commercial provisioning and Air Force provisioning methodologies. Significant operational events in the Air Force and commercial provisioning methods were identified and combined with their applicable data elements to construct Event Matrices. The Air Force and commercial Event Matrices were then integrated through the identification of functionally equivalent events and common data into a single unified Provisioning Matrix.\*

The Air Force Event Matrix was extracted from the Provisioning Matrix in the second study phase to investigate the relative efficiency of the commercial provisioning method. World Airline Suppliers' Guide data types were applied to Provisioning Matrix data elements to support their organization into five sets of operationally equivalent data. The operationally organized Event Matrix revealed the potential impact of commercially available Air Transport Association (ATA) data on the Control, Application, Technical, Procurement and Administrative areas of Air Force provisioning.

The second study phase was directed toward the identification of the most cost effective method of provisioning and items other than major system acquisitions and modifications. Each Provisioning Matrix and extracted Event Matrix element was captured in a hierarchical data structure constructed on an intelligent micro-processing device. A decision-tree analysis was progressively applied to each hierarchical level to identify efficiencies incorporated in the commercial provisioning method. Provisioning alternatives provided by the procurement of commercially available ATA data were rigorously evaluated.

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\*Reported in Defense Technical Information Center ADA-140494.

The Provisioning Matrix and Air Force Event Matrix provided the basis for the identification of cost efficiencies through the reduction of the number of separate operational events, applicable event data, and extraneous data flow between the manufacturer and the buyer. The decision-tree analysis revealed that unique Air Force provisioning requirements could be largely accommodated through the application of commercially available ATA data. The analysis indicated that event data would be reduced, even with the addition of the recommended commercial Buy-Back event, by over 25 percent.

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## I. INTRODUCTION

### 1. Objectives

a. Under the direction of the Air Force Business Research Management Center (AFBRMC), WESTEC Services, Inc., and USAir have conducted a joint study to provide a new approach to Air Force provisioning. The WESTEC/USAir approach was based on the examination and evaluation of provisioning methods used by the Air Force and commercial aviation. The possibility of applying commercial techniques in the military environment was investigated through correlation of provisioning techniques used in the Air Force and in the commercial world. Toward this end, the New Approach to Air Force Provisioning study was broadly organized into two separate phases.

Phase one initially focused on the specification of Air Force and commercial provisioning through separately constructed arrays of operational events and applicable event data termed Event Matrices. Event Matrices were then integrated to form a Provisioning Matrix to illustrate the correlation and/or difference between Air Force and commercial provisioning.

The second study phase applied a decision-tree analysis to the Provisioning Matrix to determine the most cost-effective method of provisioning selected end items. Each major analytic branch focused on the evaluation of benefits and/or penalties associated with alternative provisioning techniques. A well defined measure of savings was constructed based on the event, event data and event data flow associated with alternative provisioning strategies.

b. This report marks the conclusion of the second and final study phase. The methods, techniques, and procedures employed in the performance of each study activity are defined herein. The Provisioning Matrix and the Air Force Event Matrix providing the analytic baseline for the decision-tree analysis are included in Appendix A and B in report Section V.

## II. METHODS AND APPROACH

### 1. Background

Completion of the first study phase resulted in the specification of similarities, differences, advantages and disadvantages of the Air Force and the commercial provisioning methods. Event Matrices constructed for the Air Force and commercial aviation were integrated into a Provisioning Matrix to show the correlation and/or differences between the respective methodologies. The Provisioning Matrix revealed that commercial provisioning was particularly efficient concerning the flow of information from the manufacturer to the commercial buyer. Similarly, the availability of provisioning data standardized in accordance with Air Transport Association (ATA) specification 200 was determined to significantly reduce data flow requirements from the buyer to the manufacturer.

The approach of the following sections will focus on the applicability and utility of commercially available data to Air Force provisioning. A decision procedure is specified where each Air Force MIL-STD-1552A and Addendum data element is progressively analyzed and evaluated according to its role in the provisioning process. The decision-tree ultimately provides a well defined measure of the benefits or penalties resulting from final element ATA data disposition (see Figures 1 and 2).

### 2. Decision-Tree Analysis

a. Provisioning Matrix - The basis for the provisioning cost analysis was provided by the Provisioning Matrix constructed in the first study phase. Efficiencies between Air Force and commercial provisioning were explicitly illustrated by the number of separate operational activities (events), applicable event data elements and the extent of data flow between the manufacturer and the buyer. In this regard, commercial provisioning was depicted to include fewer events, reduced data volumes, and significantly less interaction between the manufacturer and the commercial buyer.

b. Air Force Event Matrix - The Air Force Event Matrix was extracted from the Provisioning Matrix to investigate efficiencies incorporated in the commercial provisioning method. The fundamental role of provisioning data within the respective

Figure 1  
DECISION TREE STRUCTURE  
ATA Application to AF Provisioning  
Illustration

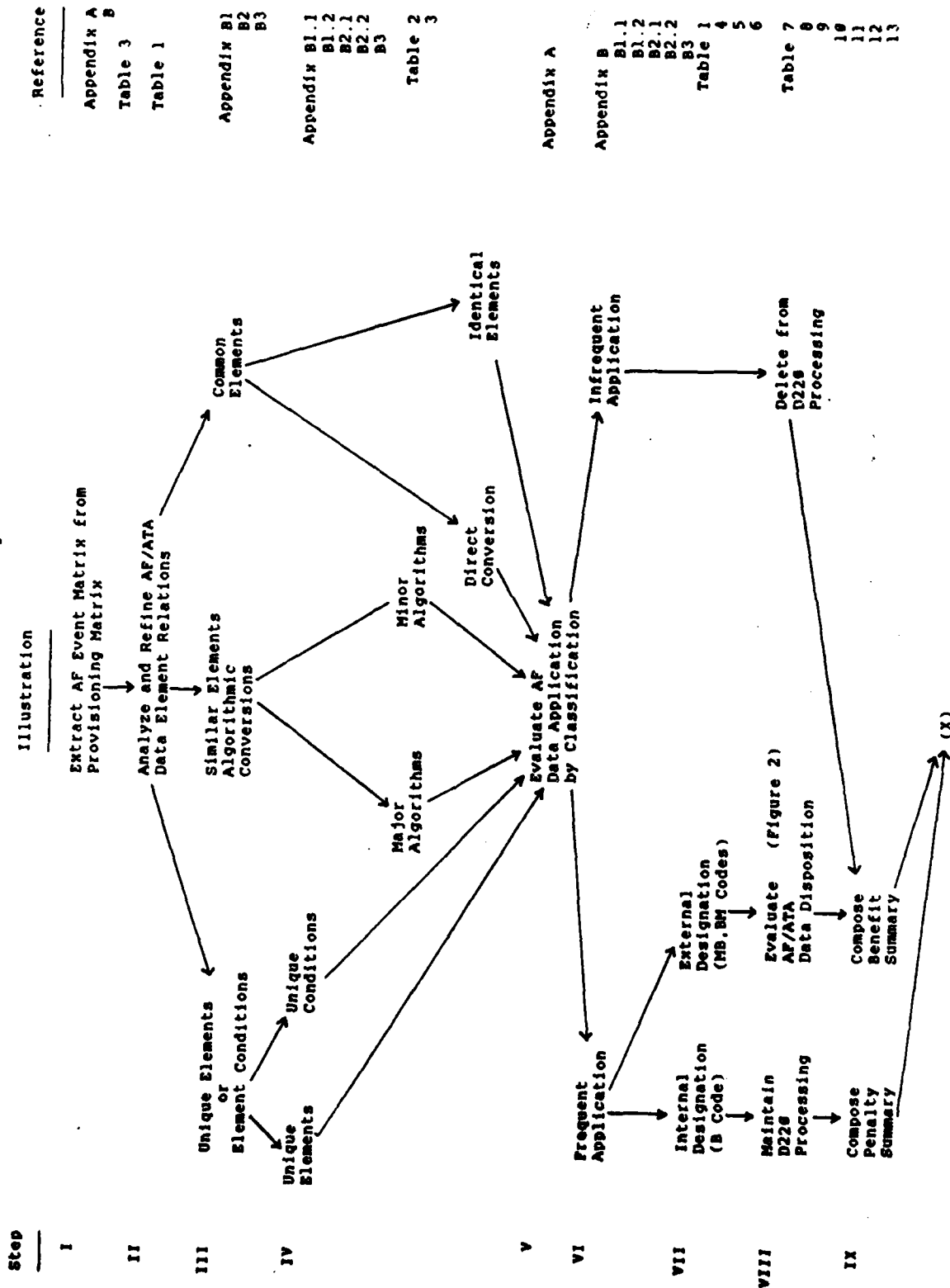


Figure 1

DECISION TREE STRUCTURE  
ATA Application to AP Provisioning (Continued)

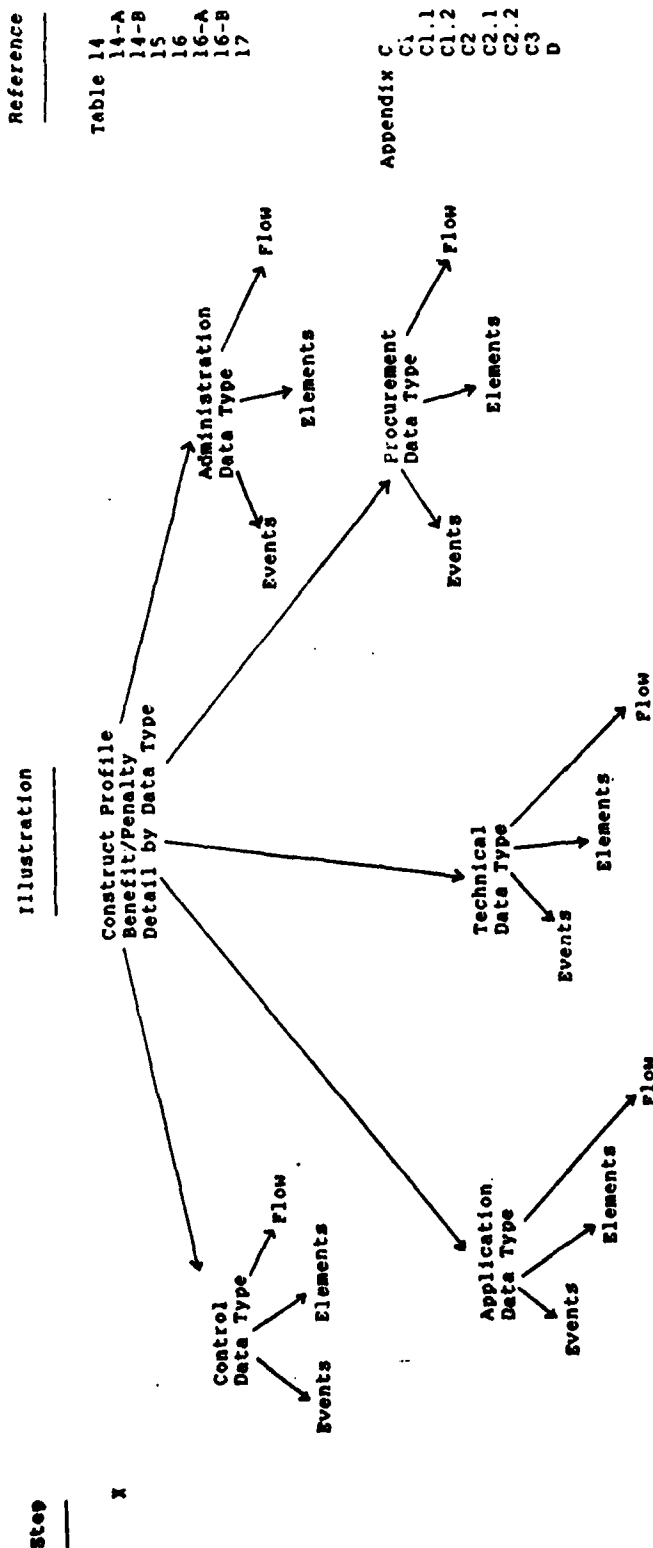
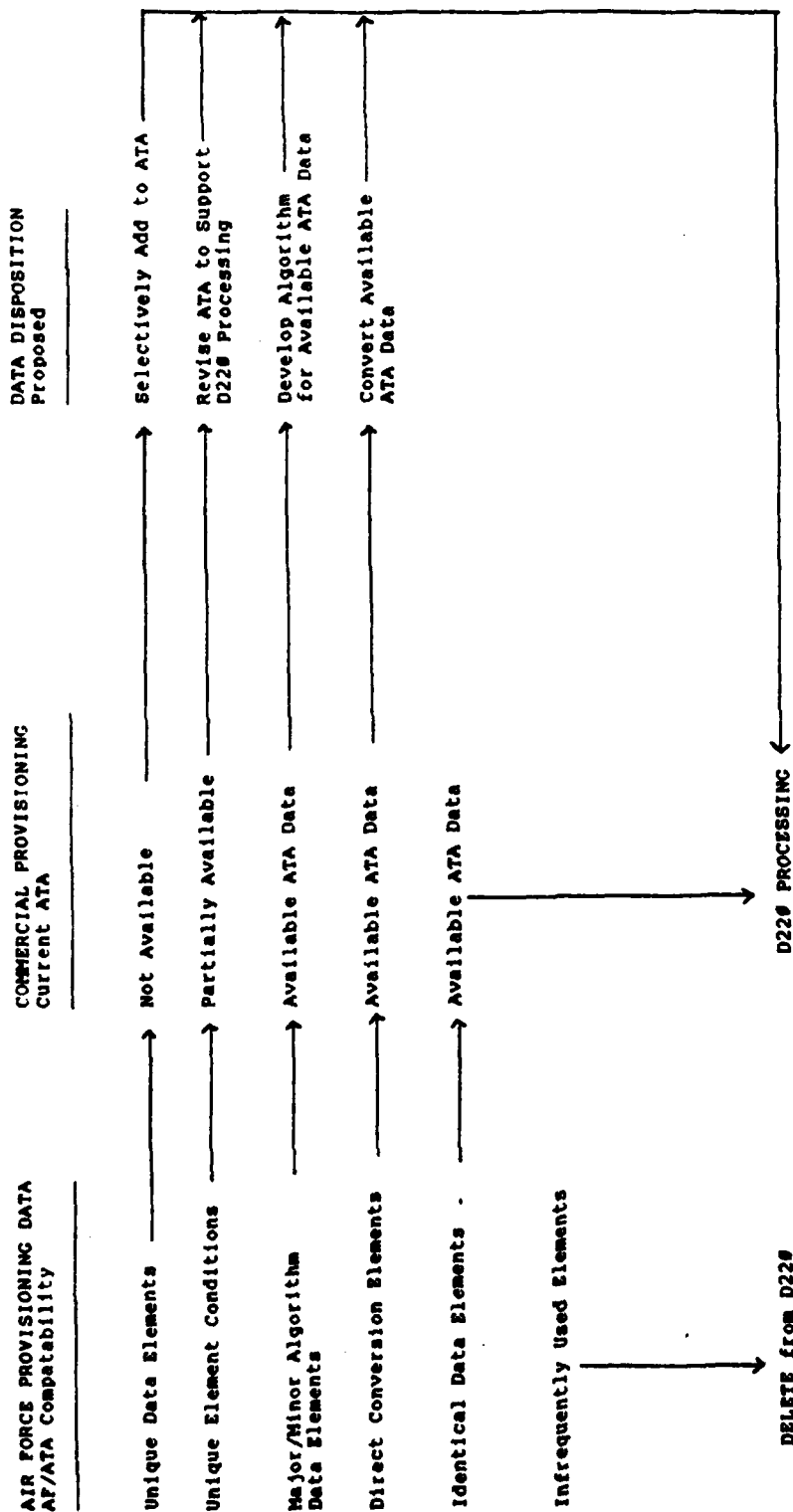


Figure 2

PROVISIONING DATA DISPOSITION

D228 Processing



methods was analyzed through the construction of a hierarchical data structure on an IBM-XT micro-processor. Events were represented by data sets and event transition by the associated data flow. Compatibilities between Air Force and commercial provisioning were identified through the development of refined relations between Air Force and ATA data elements.

c. Data Element Specification - The applicability of commercial data to Air Force provisioning is strongly dependent upon the relation between readily available ATA data and required Air Force provisioning data. ATA data restricted to representations unique to commercial provisioning is clearly not applicable to Air Force needs.

Comparisons between Air Force and ATA provisioning data were based on detailed specifications contained in MIL-STD-1552A, Addendum, and ATA Specification 200. Results achieved in the first study phase were expanded to comprehensively identify each commercial data element and element combination correspondent to Air Force provisioning data.

d. Data Element Compatibility - Based on Event Matrix content, relations between Air Force and ATA data elements in the Provisioning Matrix were refined to measure element compatibility. Unique elements were broken into those elements representing unique conditions in conjunction with compatible conditions and unique elements entirely composed of unique conditions. Data from the two provisioning methods potentially compatible following revision were termed similar in the first study phase. These elements were refined to elements analytically determined to require minor versus major algorithmic revision. Element revision was classified as minor in cases where available ATA data could comprehensively represent Air Force element conditions. Major algorithmic revisions were determined to require ATA data, supplementary tables, and cross-reference files to represent Air Force data.

Compatible data elements were partitioned into two element sets, Air Force data identical to ATA data and Air Force data identical to ATA data following direct conversion. Identical elements were determined to have the same number of characters, the same format type and content while conversion data included minor length, type and content variations.



e. Operational Data Type - Air Force provisioning data was characterized in the first study phase through membership in five sets of operationally equivalent data specified in the World Airline Suppliers' Guide. Each Air Force data element was classified according to one of the following data types: Control, Application, Technical, Procurement or Administration. The notion of data type has been maintained in the final study phase to support the presentation of Air Force provisioning efficiencies within related operational areas.

f. Data Element Classification - Each Air Force provisioning data element was classified according to its operational data type and ATA data compatibility. Data elements contained in each of the five operational data types were organized into one of the six mutually exclusive compatibility relations.

As a result, Air Force provisioning data was partitioned into 30 separate classification data sets. For example, technical data is separated into technical data completely unique to Air Force provisioning, technical data representing conditions in common with commercial provisioning and unique to Air Force provisioning, technical data in common with commercial provisioning following the development and execution of major algorithms based on available commercial data, etc.

g. Data Element Application - Each classification data set was evaluated according to its applicability to the Air Force provisioning cycle event performance. Particular attention was placed on the identification of totally inapplicable data, that is, unused elements, and infrequently used provisioning data. These elements were flagged as prime candidates for deletion from Air Force provisioning and benefit profiles were constructed to evaluate efficiencies achieved through their elimination.

h. Internal Element Designation - Provisioning event data transfer between manufacturers and the Air Force was evaluated for each data element applicable to Air Force event performance. Internal Air Force data (designation code B) was segregated from elements supporting information exchange between manufacturers and the Air Force (designation codes MB and BM). Profiles were constructed for these control and management elements to quantify inefficiencies associated with their application. The events, applicable data and data transitions were separately quantified for these elements in each of the five data types.

i. External Element Designation - Air Force provisioning data commonly used for communication between manufacturers and the Air Force were determined to have a dramatic impact on provisioning efficiency. The Air Force Event Matrix was used to identify data elements representing significant data interchange throughout the provisioning cycle. Particular attention was paid to elements with designation codes indicating repeated guidance provided to manufacturers in conjunction with information received from the manufacturer, that is, designation code BM followed by MB, etc.

j. AF/ATA Data Disposition - The Provisioning Matrix provided detailed correlations and/or differences between the commercial and the Air Force provisioning methods. Results achieved in the first study phase revealed that the principal efficiencies associated with the commercial provisioning principally relate to the availability of standardized commercial provisioning data. Manufacturers are accustomed to providing provisioning data in accordance with ATA Specification 200 with an absolute minimum of guidance from the commercial buyer. As a result, this branch of the decision-tree analysis focused on the potential for the application of commercial ATA data to Air Force provisioning. Figure 2 illustrates the method for each of seven Air Force data categories. Each category is presented in descending order of increased compatibility between Air Force and ATA data. Air Force elements representing conditions completely peculiar to Air Force provisioning appear at the top left of Figure 2. These unique elements do not currently relate to any ATA data. They cannot be calculated by or converted from currently available ATA data. The only way they could be provided is through their addition to ATA Specification 200. The decision method was next applied to Air Force data determined to have at least some conditions in common with the ATA. These unique condition elements represent circumstances where additional conditions must be incorporated in ATA data in order to accommodate Air Force requirements. Efficiencies available to Air Force provisioning through the incorporation of Air Force requirements in ATA data were specified in the decision analysis. Each data category in Figure 2 was separately investigated to determine the reduced number of events, event data, and event transition resulting from the incorporation of the applicable Air Force data into the commercial ATA system.

### III. DATA PRESENTATION

#### 1. Air Force Data Specification

a. Specifications for each of the 85 Air Force data elements and their related commercial provisioning data elements are presented in Tables 1-A through 1-E. Each data element specification includes the element name, MIL-STD-1552A and Addendum and ATA Specification 200 block code (the columnar position of each data element in the standard format), element field length, Alphabetic (A), Numeric (N) or Alpha-numeric (A/N) format type, principal element designation code and appropriate amplifying remarks. Element designations include data flow from the manufacturer to the buyer (MB), the converse transition (BM), and data produced by the buyer exclusively for their internal use (B).

Each table is dedicated to a particular data type where Table 1-A lists the Air Force Control elements; Table 1-B, Application data; Table 1-C, Technical data; Table 1-D, Procurement data; and Table 1-E the Administrative data elements.

Table 1-A  
AIR FORCE DATA SPECIFICATION

Air Force Element/ ATA Data Element	Control Data Type			AF/ATA Designation	Remarks
	Air Force Element/ ATA Data Element	AF/ATA Block Code*	AF/ATA Field Size		
FSCH/ End Item Manufacturer Code	3/ PNRE4	5/ 5	A/N/ A/N	MB/ MB	
	2/ ADRF44	1/ 13	A/ A/N	MB/ MB	
Indenture/ Catalogue Sequence Number	4/ PNRE24	16/ 15	A/N/ A/N	MB/ MB	
	34/ PRNE9	6/ 15	A/N/ A/N	MB/ MB	(See Note #1)
Next Higher Assembly PLISM/ End Item Part Number	13/ PNRE24	13/ 15	N/ A/N	MB&BM/ MB	
	30/ A/	1/ 19	A/ A/N	MB/ BM	Seldom Used
PIIM-SPIIN	1/ ADRF44	6/ 13	A/N/ A/N	MB/ MB	(See Note #2)
	32/ ADRF44	6/ 13	A/N/ A/N	MB/ MB	(See Note #2)
Prior Item PLISM/ Catalogue Sequence Number	49/ A/	6/ 15	A/N/ A/N	BM/ MB	
	24/ PNRE24	32/ 15	A/N/ A/S	MB/ MB	Seldom Used (See Note #3)
Reference Designation/ Part Number	2/ PNRV57	1/ 2	A/ N	MB/ MB	Seldom Used (See Note #3)

\* See Note #11 for MIL-STD-1552A Block Code Assignment

Table 1-A

## AIR FORCE DATA SPECIFICATION

Control Data Type (Continued)

Air Force Element/ ATA Data Element	Control Data Type (Continued)	AF/ATA Block Code	AF/ATA Field Size	AF/ATA Type	AF/ATA Designation	Remarks
Reference Number Category Code/ Category Sequence Code		6/ ADRP44	1/ 13	A/N/ A/N	MB/ MB	Seldom Used
Reference Number Justification		AR/	1/	N/	B/	
Reference Number Variation Code		AN/	1/	N/	B/	Seldom Used
Replaced or Superseded PLISM/ Catalogue Sequence Number		46/ ADRP44	6/ 13	A/N/ A/N	MB/ MB	(See Note #2)
Same As PLISM/ Part Number		15/ PNRP24	6/ 15	A/N/ A/N	MB/ MB	(See Note #2)
Type Of Change Code/ Change Code		AS/ PNRP3	1/ 1	A/ A	MB/ MB	(See Note 2 & 4)

Table 1-B  
AIR FORCE DATA SPECIFICATION

Air Force Element/ ATA Data Element	Application Data Type				Remarks
	AF/ATA Block Code	AF/ATA Field Size	AF/ATA Type	AF/ATA Designation	
Automatic Data Processing Code	AU/	1/	N/	B/	Not Used
Delivery Schedule	75/	62/	N/	B/	Seldom Used
Demilitarization Code	AB/	1/	A/	B/	
Drawing Status Code/ Control Spec-Drawing	AA/ PNRV57	1/ 26	A/ A/N	B/ MB	
Essentiality Code/ Essentiality Code	10/ ADRF67	1/ 1	N/ N	MB&B/ MB	(See Note #5)
Interchangeability Code/ Explanation Codes #1, #2, #3, #6 & #7	42/ ADRV57	2/ 2	A/ N	MB/ MB	
Item Name/ Explanation Code 52 Keyword	8/ PNRV57 PNRF57	19/ 26 8	A/N/ N A	MB/ MB MB	(See Note #6)
Mission Item Essentiality Code	AM/	3/	A/N/	B/	Seldom Used
Physical Security-Pilferage Code	20/	1/	A/	MB/	
Precious Metal Indicator Code	AT/	1/	A/N/	B/	
Program Parts Selection List Code/ Standard Parts Indicator	7/ ADRF63	1/ 1	A/ N	B&MB/ MB	
Quantity Per Assembly/ Units Per Assembly	9/	4/	A/N/	MB/	(See Note #7)
Quantity Per End Item/ Total Quantity	10/ ADRF57	5/ 5	A/N/ N	MB/ MB	(See Note #8)
Serial Number Effectivity-From/ Effectivity Explanation Code 47 or 48	43/ ADRF70 ADRV57	10/ 6 26	A/N/ A/N A/N	MB/ MB MB	(See Note #8)
Serial Number Effectivity-To/ Effectivity Explanation Code 47 or 48	44/ ADRF70 ADRV57	10/ 6 26	A/N/ A/N A/N	B/ MB MB	(See Note #8)

Table 1-8

AIR FORCE DATA SPECIFICATION

Application Data Type (Continued)

Air Force Element/ ATA Data Element	AF/ATA Block Code	AF/ATA Field Size	AF/ATA Type	AF/ATA Designation	Remarks
Total Items Changed	45/	2/	A/N/	MB/	Seldom Used
Type Of Item Code	27/	3/	A/	MB	Seldom Used
Usable On Code/ Explanation Code 47 or 48	14/ ADRV57	4/ 26	A/N/ A/N	MB/ MB	(See Note #9)
Work Unit Code/ Catalog Sequence Number	AN/ ADRF44	5/ 13	A/N/ A/N	MB/ MB	

Table 1-C  
AIR FORCE DATA SPECIFICATION

Air Force Element/ ATA Data Element	Technical Data Type			AP/ATA Designation	Remarks
	AP/ATA Block Code	AP/ATA Field Size	AP/ATA Type		
Base Condemnation Rate/ Scrap Rate	AH/ PNRP132	3/ 3	N/ N	MB/ MB	
Contractor Turn Around Time	37/	3/	N/	MB/	Seldom Used
Depot Condemnation Rate/ Scrap Rate	AJ/ PNRP132	3/ 3	N/ N	MB/ MB	
Document Availability Code	AP/	1/	A/N/	B/	
Failure Factor 1/ Unscheduled Removal Rate Removal Rate Indicator	16/ PNRP114 PNRP143	6/ 6 1	N/ N N	MB/ MB MB	
Overhaul Replacement (FPII)/ Maintenance and Overhaul Maintenance Percent	17/ ADR62 PNRP148	3/ 1 2	N/ N N	BM&MB/ MB MB	
Not Repairable This Station (FPIII)	48/	3/	N/	BM&MB	
Initial Supply &/or Other Support List	AF/	1/	A/	B/	Seldom Used
Item Management Code	AD/	1/	A/	B/	Seldom Used
Maintenance Action Code	39/	1/	A/	MB/	Seldom Used
Maintenance Task Distribution	36/	18/	N/		Not Used
Major Organizational Entity Rule	AK/	4/	A/N/	B/	
Material Management Aggregation Code	AC/	2/	A/	B	
Maximum Allowable Operating Time/ Time Cycle Between Overhaul Time Cycle Indicator	38/ PNRP126 PNRP135	4/ 6 1	A/N/ N A	MB/ MB MB	
Method of Support Code	AC/	1/	N/	B/	
MOS Modifier Code	AH/	1/	A/	B/	
Overhaul Quantity	35/	3/	N/	-	Not Used



Table 1-C

## AIR FORCE DATA SPECIFICATION

## Technical Data Type (Continued)

Air Force Element/ ATA Data Element	AF/ATA Block Code	AF/ATA Field Size	AF/ATA Type	AF/ATA Designation	Remarks
Primary Inventory Control Activity	AE/	2/	A/	B/	
Shelf Life Code/ Storage Condition	19/ PNRF142	1/ 1	A/ N	BHAMB/ MB	
SPR Code/ Explanation Code 38 Maintenance and Overhaul Spare Part Classification	12/ PNRV57 ADRF62 PNRF113	6/ 2 1 1	A/N/ A N N	BHAMB/ MB MB MB	(See Note #10)
Special Handling Code	29/	1/	A/	-	Not Used
Special Item Code	AL/	1/	A/	MB	Seldom Used
Substitute MSAC	74/	2/	A/	F	Seldom Used
Substitute NSN	73/	13/	A/N/	B	Seldom Used
Total Quantity Recommended/ Recommended Quantity	23/ PNRF136	6/ 4	N/ N	MB/ MB	

Table 1-D  
AIR FORCE DATA SPECIFICATION

Air Force Element/ ATA Data Element	Procurement Data Type				Remarks
	AF/ATA Block Code	AF/ATA Field Size	AF/ATA Type	AF/ATA Designation	
Exhibit Line Item Number	72/	6/	A/N/	B/	Not Used
Procurement Control Identifier	31/	1/	A/	B/	
Procurement Lead Time	28/	2/	N/	MB/	Seldom Used
Procured From ELIN	77/	6/	A/N/	MB/	
Procured Quantity	78/	6/	N/	MB/	Seldom Used
Quantity Procured	48/	6/	N/	MB/	
Quantity Shipped	47/	6/	N/	MB/	Seldom Used
Quantity Unit Pack/ Standard Package	22/ PNRF81	3/ 3	N/ N	MB/ MB	
Requisition Number	79/	15/	A/N/	B/	Seldom Used
Unit of Measure-Issue/ Explanation Code 08 Unit	11/ PNRV57 PNRF65	2/ 26 2	A/ A/N A	MB/ MB MB	
Unit Price/ Unit Price	21/ PNRF67	10/ 12	N/ N	MB/ MB	

Table 1-E

## AIR FORCE DATA SPECIFICATION

Air Force Element/ ATA Data Element	Administration Data Type			Remarks
	AF/ATA Block Code	AF/ATA Field Size	AF/ATA Type	
Change Authority Number/ Change Code	41/ PNRF3	15/ 1	A/N/ A	MR/ MB
Explanation Code 44 or 55	ADDR57	26	A/N	MB
Control Data	C/	18/	A/N/	MB/
Data List Submitted/ Transmission Data	F/ HR155	6/ 5	N/ N	MB/ MB
Extended Remarks/ Remarks	88/ PNRV57	94/ 26	A/N/ N	MB/ MB
FSCH-Prime/ Manufacturer	D/ PNRF39	5/ 5	A/N/ A/N	MB/ MB
Proprietary Code	PNRF89	1	A/N	MB
Long Reference Part Number Code	5/	1/	A/	MB/
Multiple Card Count/ Transmission Sequence	51/ HR152	6/ 3	N/ N	MB/ MB
Nomenclature/ Explanation Code 52	B/ PNRV57	21/ 26	A/N/ A/N	MB/ MB
Keyword	PNRF57	8	A	MR
Nomenclature/ Model Identification	5/ HR158	21/ 2	A/N/ A/N	MB/ MB
Ref. Desig. Overflow Code/ Explanation Code 11	25/ PNRV57	1/ 26	A/ A/N	MB/ MB
Remarks/ Explanation Code XX	33/ PNRV57	12/ 26	A/N/ A/N	BM&MB/ MB
Submission Control Code/ Transmission Sequence	E/ HR152	5/ 3	N/ N	MB/ MR

Table 1

## AIR FORCE DATA SPECIFICATION

## Data Element Remarks

<u>Note</u>	<u>Air Force Reference Element</u>	<u>Description</u>
<b>Note 1</b>	<b>Next Higher Assembly PLISN</b>	Concerning Indenture Codes: "The military services use top down breakdown sequencing which shows parts within the next higher assembly (NHA) regardless of how they are to be disassembled. Disassembly sequencing shows parts in order in which they are to be disassembled. There is no apparent technical problem in using disassembly sequence in the government. In fact, it exists as an option in MIL-STD-1552. It is not normally used by the services."
<b>Note 2</b>	<b>PLISN</b>  <b>Prior Item PLISN</b>  <b>Replaced or Superseded PLISN</b>  <b>Same as PLISN</b>	If a PLISN is required (or NHA PLISN, or PRIOR ITEM PLISN) then the conversion process could be fairly difficult (See Note #2).
	<b>Type of Change Code</b>	"There is a difference in the method of structuring the control number used to track an item through the provisioning process. The military uses PLISN, which is a sequential line item control number. The commercial method of accomplishing the function is the Catalog Sequence Number, which is a number used to identify each part and assembly in a catalog or initial provisioning deck. This number is related to the page and figure contained in the Illustrated Parts Catalog (IPC) and performs the same control function as the PLISN."
		Using CSN's would require D220 system and operating procedure revisions to accept the different numbering system.
		The counterpart of the IPC is the engineering drawings. These are used by the military during the guidance conference to conduct provisioning decisions. If the decision were made to use CSN's with the IPC, provisioning problems could be resolved in different ways not requiring PLISN generation. For example, in instances of long-lead time items, IPC content requirements could potentially be resolved through the availability of commercial engineering drawings.

<sup>1</sup>Reference from "Final Report on Service Test of ATA Spec 200."

Table 1

# AIR FORCE DATA SPECIFICATION

## Data Element Remarks

<u>Note</u>	<u>Air Force Reference Element</u>	<u>Description</u>
Note 3	Reference Designation Reference Designation Code	There is no reference in the ATA system to the type of equipment being referred to (i.e., electrical, electronic or non-electronic). This would have to be added to the ATA system, probably as an EXPLANATION CODE with additional information in the text zone if required.
Note 4	Type of Change Code	The Change Code (ATA) functions much like the Type of Change Code (AF). The major difficulty in converting this code lies in the use of PLISN's, not in converting the Change Code itself.
Note 5	Essentiality Code	AF has 5 possible values (1, 3, 5, 6, 7) ATA has 3 possible values (1, 2, 3)

AF	ATA
1	= 1
3	= 3
5, 6, 7	= 2 (?)

Additional values may have to be added to the ATA system to make it comparable to the AF.

Table 1

# AIR FORCE DATA SPECIFICATION

## Data Element Remarks

<u>Note</u>	<u>Air Force Reference Element</u>	<u>Description</u>
Note 6	Item Name	<p>The Keyword (ATA) is an 8-character zone providing the word name of the part of the material. If the Keyword exceeds 8 letters, it is abbreviated by one of the following methods:</p> <ol style="list-style-type: none"> <li>In accordance with MIL-STD-12</li> <li>By deleting vowels beginning from the right but retaining the first letter of the word. If the word still exceeds 8 chars., use only the first eight.</li> </ol> <p>MIL-STD-1552 describes Item Name (AF) as a name with appropriate adjective modifiers using abbreviations conforming to MIL-STD-12. This field is described as having 19 characters.</p> <p>If an 8-character word corresponding to the above ATA characteristics is not sufficient, then the item name with appropriate adjective modifiers as contained in the Federal Item Name Directory for Supply Cataloging might be specified with an Explanation Code in PNRV57 to flag it.</p> <p>This could be an identical data item if the "assemblies" referred to by the AF and ATA are identical. There will still be an important revision necessary to convert ATA's Catalog Sequence Numbering system to PLISN's used by the AF.</p> <p>As in note #3, the AF and ATA data elements are probably identical. The "major algorithm" involves converting from ATA's Catalog Sequence No. to the AF's PLISN.</p>
Note 7	Quantity Per Assembly	
Note 8	Quantity Per End Item  Serial Number Effectivity-From  Serial Number Effectivity-To	

Table 1

AIR FORCE DATA SPECIFICATION

Data Element Remarks

<u>Note</u>	<u>Air Force Reference Element</u>	<u>Description</u>
Note 9	Usable On Code	The Usable On Code data element for the AF is used for purposes not included in the Split Effectivity of the ATA.
Note 10	SMR Code	The "SMRC" is furnished by the Air Force though the contractor may be required to recommend the codes. The codes are furnished to the contractor(s) by the provisioning activity. Data for the SMR Codes can be gathered from the three sources referenced in Table 1-C for the SMR Air Force data element.

FIGURE 2. MULTIPLE-CARD LAYOUT FORM



## 2. Air Force Data Compatibility

a. A major concern of the cost-effectiveness study is the relation between Air Force provisioning data elements and commercially available ATA data. If commercial data was identical to Air Force provisioning data, then manufacturers could provide identical data sets to commercial buyers and the Air Force. Table 2 summarizes the relation between Air Force provisioning data elements and their ATA counterparts. Elements are organized by each of the five provisioning data types, i.e., Control, Application, Technical, Procurement and Administration. Air Force element relations to ATA data are grouped into three categories: Unique, Similar and Compatible. In general, Air Force elements are termed unique when they have been determined not to be obtainable from available ATA data. The unique category was refined to separately identify Air Force provisioning data nearly obtainable from ATA data with the exception of one or more element conditions. It is important to note the distinction between a totally unique element and an element including unique conditions. A truly unique Air Force data element would require the addition of a completely new data element to the ATA data set in order to satisfy Air Force provisioning needs. An Air Force element with unique conditions could be accommodated within the current ATA data structure by simply expanding the condition domain of already existent commercial data.

Air Force data elements are considered to be similar to ATA data when they can be constructed from one or more currently available commercial data elements. Element similarity has been partitioned, according to the complexity of the construct, into major and minor algorithm compatibilities. Major algorithms typically represent conditions where several commercial data elements must be combined with supplemental information to represent a particular Air Force element. Air Force elements were assigned a minor algorithm compatibility when it was determined that they could be directly derived from available ATA data. When an Air Force element is either obtainable through direct conversion of an ATA element or is identical to an ATA element it is assigned to the common compatibility category.

b. The summary results of Table 2 were expanded and separately presented to support analysis within each of the five operationally equivalent sets of provisioning data. Table 2-A provides a detailed breakdown of Air Force and ATA compatibility for

each of the Air Force control elements. Elements are listed with the particular compatibility applicable to obtaining the element from commercially available ATA data. In several instances Air Force elements were identified to fit into separate compatibility categories. For example, an Air Force element might well be derivable algorithmically from a single commercial data element with the exception of one or more unique conditions, i.e., a compatibility assignment of unique condition and minor algorithm.

Analogous results are provided for Air Force data elements in the Application data type in Table 2-B; Table 2-C, Technical data elements; Table 2-D, Procurement; and Table 2-E, the 12 Air Force Administration data elements.

Table 2  
AIR FORCE DATA COMPATIBILITY

## Data Element Summary

Data Type	Total Elements*	UNIQUE ELEMENTS		SIMILAR ELEMENTS		COMMON ELEMENTS		
		Unique Element	Unique Condition	Major Algorithm	Minor Algorithm	Direct Conversion	Identical Elements	
Control	18	5	9	7	4	1	1	1
Application	19	8	3	2	9	1	-	-
Technical	25	17	-	3	11	-	-	-
Procurement	11	8	-	-	1	1	2	2
Administration	12	2	5	2	2	4	-	-
TOTALS	85	48	17	14	27	7	3	3

\* Note That Several Categories can Apply to any Given Element.

Table 2-A  
AIR FORCE DATA COMPATIBILITY

Air Force Element	ATA Data Element	Control Data Type				COMMON ELEMENTS		
		UNIQUE ELEMENTS		SIMILAR		Direct Conversion	Identical Element	
		Unique Element	Unique Condition	Algorithm Major	Algorithm Minor			
C1 PSCH	End Item Manufacturer Code							X
C2 Indenture	Catalogue Sequence Number				X			
C3 Manufacturers Part Number	Part Number					X		
C4 Next Higher Assembly PLISN	End Item Part Number			X				
C5 National Stock Number	Part Number		X	X				
C6 Phased Provisioning Code	-	X						
C7 PIIN-SPIIN	-	X						
C8 PLISN	Catalogue Sequence Number		X	X				
C9 Prior Item PLISN	Catalogue Sequence Number		X	X				
C10 PCCN	-	X						
C11 Reference Designation	Part Number		X			X		
C12 Reference Designation Code	Explanation Code XX		X			X		
C13 Reference Number Category Code	Catalogue Sequence Number		X			X		
C14 Reference Number Justification Code	-	X						
C15 Reference Number Variation Code	-	X						
C16 Replaced or Superseded PLISN	Catalogue Sequence Number		X		X			
C17 Same as PLISN	Part Number		X		X			
C18 Type of Change Code	Change Code		X		X			

Table 2-8  
AIR FORCE DATA COMPATIBILITY

Application Data Type						
Air Force Element	ATA Data Element	UNIQUE ELEMENTS		SIMILAR	COMMON ELEMENTS	
		Unique Element	Unique Condition		Algorithm Major	Identical Element
A1 Automatic Data Processing Code		x				
A2 Delivery Schedule	-	x				
A3 Demilitarization Code	-	x				
A4 Drawing Status Code	Control Spec-Drawing			x		
A5 Essentiality Code	Essentiality Code		x	x		
A6 Interchangeability Code	Explanation Codes #1, #2, #3 and #6			x		
	Explanation Code #7			x		
A7 Item Name	Keyword					x
	Explanation Code 52			x		
A8 Mission Item Essentiality Code	-	x				
A9 Physical Security - Pilferage Code	-	x				
A10 Precious Metal Indicator Code	-	x				

Table 2-B

## AIR FORCE DATA COMPATIBILITY

## Application Data Type (Continued)

Air Force Element	ATA Data Element	COMMON ELEMENTS			
		UNIQUE ELEMENTS	SIMILAR	Algorithms	Identical
		Unique Element	Unique Condition	Major Minor	Conversion Element
	Standard Parts Indicator		X		
A11 Program Parts Selection List Code					
A12 Quantity Per Assembly	Units Per Assembly		X		
A13 Quantity Per End Item	Total Quantity			X	
A14 Serial Number Effectivity - From	Effectivity			X	
	Explanation Code 47 or 48				
A15 Serial Number Effectivity - To	Effectivity			X	
	Explanation Code 47 or 48				X
A16 Total Items Changed		X			
A17 Type of Item Code		X			
A18 Usable on Code	Split Effectivity		X		
A19 Work Unit Code	Category Sequence Number				X

Table 2-C  
AIR FORCE DATA COMPATIBILITY

Air Force Element	ATA Data Element	Technical Data Type			
		UNIQUE ELEMENTS		SIMILAR	
		Unique Element	Unique Condition	Algorithm Major Minor	COMMON ELEMENTS Direct Conversion Identical Element
T1	Base Condemnation Rate	Scrap Rate			
T2	Contractor Turn Around Time		X		X
T3	Depot Condemnation Rate	Scrap Rate			
T4	Documentation Availability Code		X		X
T5	Failure Factor I	Unscheduled Removal Rate			
		Removal Rate Indicator			X
T6	Overhaul Replacement (FPII)	Maintenance and Overhaul			X
		Maintenance Percent			X
T7	Not Repairable This Station (FPIII)		X		
T8	Initial Supply and/or Other Support List		X		
T9	Item Management Code		X		
T10	Maintenance Action Code		X		
T11	Maintenance Task Distribution		X		
T12	Major Organizational Entity Rule		X		
T13	Material Management Aggregation Code		X		
T14	Maximum Allowable Operating Time	Time Cycle Between Overhaul			X
		Time Cycle Indicator			X

Table 2-C

## AIR FORCE DATA COMPATIBILITY

## Technical Data Type (Continued)

Air Force Element	ATA Data Element	UNIQUE ELEMENTS		SIMILAR		COMMON ELEMENTS	
		Unique Element	Unique Condition	Algorithm Major	Algorithm Minor	Direct Conversion	Identical Element
T15 Method of Support Code	-	X					
T16 MOS Modifier Code	-	X					
T17 Overhaul Quantity	-	X					
T18 Primary Inventory Control Activity	-	X					
T19 Shelf Life Code	Storage Location				X		
T20 SNR Code	Maintenance & Overhaul			X			
	Explanation Code 38			X			
	Spare Part Classification				X		
T21 Special Handling Code	-	X					
T22 Special Item Code	-	X					
T23 Substitute MMAC	-	X					
T24 Substitute MSN	-	X					
T25 Total Quantity Recommended	Recommended Quantity				X		



Table 2-D  
AIR FORCE DATA COMPATIBILITY

Air Force Element		ATA Data Element		Procurement Data Type			
				UNIQUE ELEMENTS		SIMILAR	
				Unique Element	Unique Condition	Algorithm Major Minor	COMMON ELEMENTS Direct Conversion Identical Element
P1	Exhibit Line Item No.	-	-	X			
P2	Procurement Control Identifier	-	-	X			
P3	Production Lead Time	-	-	X			
P4	Procured From ELIN	-	-	X			
P5	Procured Quantity	-	-	X			
P6	Quantity Procured	-	-	X			
P7	Quantity Shipped	-	-	X			
P8	Quantity Unit Pack	-	-	X			
P9	Requisition Number	-	-	X			
P10	Unit of Measure- Unit of Issue	-	-	X			
		Standard Package					X
		Unit					X
		Explanation Code 00				X	
P11	Unit Price						X

Table 2-E

## AIR FORCE DATA COMPATIBILITY

Air Force Element	ATA Data Element	Administration Data Type			
		UNIQUE ELEMENTS	SIMILAR	COMMON ELEMENTS	
		Unique Element	Unique Condition	Algorithm Major Minor	Direct Conversion Identical Element
D1 Change Authority No.	Change Code			X	
	Explanation Code 44 or 55			X	
D2 Control Data	-	X			
D3 Date List Submitted	Transmission Date				X
D4 Extended Remarks	Remarks		X		
D5 FSCN-Prime	Manufacturer			X	
	Proprietary Code			X	
D6 Long Reference Part Number Code	-	X			
D7 Multiple Card Count	Transmission Sequence		X		
D8 Nomenclature	Explanation Code 52				X
	Keyword				X
D9 Nomenclature	Model Identification		X		
D10 Reference Designation Overflow Code	Explanation Code 11				X
D11 Remarks	Explanation Code 54		X		
D12 Submission Control Code	Transmission Sequence		X		

### 3. Air Force Event Matrix Compatibility

a. Each event identified in the Air Force provisioning cycle is examined in Table 3 according to the relation of initial data appearance and the subsequent application of applicable event data to ATA data elements. Results are summarized for each of the five data types over the six unique, similar and common element compatibility relations. Table 3 provides a concise overview of difficulties associated with the performance of Air Force provisioning within each of the five operationally equivalent data types through the application of commercially available ATA data.

b. Provisioning data applicable to the performance of each of the 28 Air Force provisioning events is specified according to the unique, similar and common data compatibility relations. Table 3-A contains the detailed disposition of Control data compatibility over the Air Force provisioning cycle; Table 3-B is focused on Application data; Table 3-C, Technical data; Table 3-D, Procurement; and Table 3-E, Administrative data. Each of these tables, within their particular data type, provides a well defined measure of the complexity involved in the application of ATA data to the Air Force provisioning cycle. Appendix B and its associated extracts specifically identify the data elements and manufacturer - Air Force data flow tabulated for each event. The unique element extract is provided in Appendix B1.1 for each of the five data types. Unique Condition elements are listed in Appendix B1.2; Major Algorithm elements, Appendix B2.1; Minor Algorithm, Appendix B2.2; and Direct Conversion and Identical element extracts are presented in Appendix B3.

Table 3

## AIR FORCE EVENT MATRIX COMPATIBILITY

## Initial Data Incidence Summary

Data Type	UNIQUE ELEMENTS		SIMILAR ELEMENTS		COMMON ELEMENTS	
	Total Elements	Unique Element	Unique Condition	Major Algorithm	Minor Algorithm	Direct Conversion Identical Elements
Control	18	5	9	1	1	1
Application	19	8	3	2	6	-
Technical	25	17	-	2	6	-
Procurement	11	8	-	-	1	1
Administration	12	2	5	1	1	3
TOTALS	85	48	17	6	15	5

## Event Data Application Summary

Control	172	26	87	18	7	21	21
Application	141	45	20	20	56	-	-
Technical	164	84	-	20	60	-	-
Procurement	87	48	-	-	16	12	11
Administration	60	10	22	5	6	17	-
TOTALS	624	213	129	55	145	50	32

Table 3-A

## AIR FORCE EVENT MATRIX COMPATIBILITY

## Control Data Type

Event Number	Event Name	UNIQUE ELEMENTS			SIMILAR ELEMENTS		COMMON ELEMENTS	
		Total Data Elements	Unique Element	Unique Condition	Major Algorithm	Minor Algorithm	Direct Conversion	Identical Elements
01	Documentation Requirements	-	-	-	-	-	-	-
02	Contract Award	2	2	-	-	-	-	-
03	Guidance Conference	11	1	6	1	1	1	1
04	Interim LLIL	15	3	8	1	1	1	1
05	Recommended LLIL	15	3	8	1	1	1	1
06	Screening	8	2	4	-	-	1	1
07	I&S	6	-	4	-	-	1	1
08	SAIP	3	-	1	-	-	1	1
09	Provisioning Technical Documentation	16	3	9	1	1	1	1
10	SPTD	12	2	7	1	-	1	1
11	Provisioning Conference	14	2	8	1	1	1	1
12	Item Cost-Price Review	4	-	1	1	-	1	1
13	MC-ND Number	7	-	4	1	-	1	1
14	Initial Spares Support	9	-	5	1	1	1	1

Table 3-A  
AIR FORCE EVENT MATRIX COMPATIBILITY  
Control Data Type (Continued)

Event Number	Event Name	Total Data Elements	UNIQUE ELEMENTS		SIMILAR ELEMENTS		COMMON ELEMENTS	
			Unique Element	Unique Condition	Major Algorithm	Minor Algorithm	Direct Conversion	Identical Elements
15	SERD	2	-	-	-	-	1	1
16	Design Change Notice	14	2	8	1	1	1	1
17	Post Conference List	3	1	-	-	-	1	1
18	Requirements Determination	4	2	-	-	-	1	1
19	Cataloging	8	2	4	-	-	1	1
20	Supply Support Request	7	-	5	-	-	1	1
21	Provisioned Item Order	8	1	5	-	-	1	1
22	PIO Funding	-	-	-	-	-	-	-
23	Packaging	-	-	-	-	-	-	-
24	Delivery Date Acceptance-Rejection	-	-	-	-	-	-	-
25	Spares Pricing	-	-	-	-	-	-	-
26	Acquisition Management	2	-	-	-	-	1	1
27	Due-In Asset	2	-	-	-	-	1	1
28	Operational Need Date	-	-	-	-	-	-	-
TOTALS		172	26	67	18	7	21	21

Table 3-2  
AIR FORCE EVENT MATRIX COMPATIBILITY

Event Number	Event Name	Application Data Type					SIMILAR ELEMENTS		COMMON ELEMENTS	
		Total Data Elements	Unique Element	Unique Condition	Major Algorithm	Minor Algorithm	Direct Conversion	Identical Elements		
01	Documentation Requirements	9	-	2	2	5	-	-		
02	Contract Award	-	-	-	-	-	-	-		
03	Guidance Conference	15	5	2	2	6	-	-		
04	Interim LLIL	15	5	2	2	6	-	-		
05	Recommended LLIL	15	5	2	2	6	-	-		
06	Screening	1	-	-	1	-	-	-		
07	ISS	2	-	1	1	-	-	-		
08	SAIP	-	-	-	-	-	-	-		
09	Provisioning Technical Documentation	14	4	2	2	6	-	-		
10	SPTD	1	-	-	-	1	-	-		
11	Provisioning Conference	17	7	2	2	6	-	-		
12	Item Cost-Price Review	-	-	-	-	-	-	-		
13	MC-ND Number	1	-	-	1	-	-	-		
14	Initial Spares Support	2	-	1	-	1	-	-		

Table 3-2

## AIR FORCE EVENT MATRIX COMPATIBILITY

Application Data Type (Continued)

Event Number	Event Name	UNIQUE ELEMENTS		SIMILAR ELEMENTS		COMMON ELEMENTS	
		Total Data Elements	Unique Element	Unique Condition	Major Algorithm	Minor Algorithm	Direct Conversion Identical Elements
15	SERD	-	-	-	-	-	-
16	Design Change Notice	14	4	2	2	6	-
17	Post Conference List	11	3	2	1	5	-
18	Requirements Determination	11	3	2	1	5	-
19	Cataloging	7	5	-	1	1	-
20	Supply Support Request	2	1	-	-	1	-
21	Provisioned Item Order	1	-	-	-	1	-
22	P10 Funding	-	-	-	-	-	-
23	Packaging	2	2	-	-	-	-
24	Delivery Date Acceptance-Rejection	-	-	-	-	-	-
25	Spares Pricing	-	-	-	-	-	-
26	Acquisition Management	-	-	-	-	-	-
27	Due-In Asset	-	-	-	-	-	-
28	Operational Need Date	1	1	-	-	-	-
TOTALS		141	45	20	20	56	-



Table 3-C

## AIR FORCE EVENT MATRIX COMPATIBILITY

## Technical Data Type

Event Number	Event Name	UNIQUE ELEMENTS			SIMILAR ELEMENTS		COMMON ELEMENTS	
		Total Data Elements	Unique Element	Unique Condition	Major Algorithm	Minor Algorithm	Direct Conversion	Identical Elements
01	Documentation Requirements	12	4	-	2	6	-	-
02	Contract Award	-	-	-	-	-	-	-
03	Guidance Conference	13	5	-	2	6	-	-
04	Interim LLL	12	4	-	2	6	-	-
05	Recommended LLL	12	4	-	2	6	-	-
06	Screening	-	-	-	-	-	-	-
07	I&S	-	-	-	-	-	-	-
08	SAIP	-	-	-	-	-	-	-
09	Provisioning Technical Documentation	11	4	-	1	6	-	-
10	SPTD	-	-	-	-	-	-	-
11	Provisioning Conference	20	12	-	2	6	-	-
12	Item Cost-Price Review	-	-	-	-	-	-	-
13	MC-ND Number	-	-	-	-	-	-	-
14	Initial Spares Support	12	6	-	1	5	-	-

Table 3-C

## AIR FORCE EVENT MATRIX COMPATIBILITY

## Technical Data Type (Continued)

Event Number	Event Name	UNIQUE ELEMENTS			SIMILAR ELEMENTS			COMMON ELEMENTS		
		Total Data Elements	Unique Element	Unique Condition	Major Algorithm	Minor Algorithm	Direct Conversion	Identical Elements		
15	SERD	-	-	-	-	-	-	-	-	-
16	Design Change Notice	11	4	-	1	6	-	-	-	-
17	Post Conference List	22	14	-	2	6	-	-	-	-
18	Requirements Determination	21	13	-	2	6	-	-	-	-
19	Cataloging	6	4	-	1	1	-	-	-	-
20	Supply Support Request	6	5	-	1	-	-	-	-	-
21	Provisioned Item Order	6	5	-	1	-	-	-	-	-
22	PIO Funding	-	-	-	-	-	-	-	-	-
23	Packaging	-	-	-	-	-	-	-	-	-
24	Delivery Date Acceptance-Rejection	-	-	-	-	-	-	-	-	-
25	Spares Pricing	-	-	-	-	-	-	-	-	-
26	Acquisition Management	-	-	-	-	-	-	-	-	-
27	Due-In Asset	-	-	-	-	-	-	-	-	-
28	Operational Need Date	-	-	-	-	-	-	-	-	-
TOTALS		164	84	-	20	60	-	-	-	-

Table 3-D  
AIR FORCE EVENT MATRIX COMPATIBILITY

Event Number	Event Name	Procurement Data Type						
		Total Data Elements	Unique Element	Unique Condition	Similar Elements Major Algorithm	Minor Algorithm	Common Elements Direct Conversion	Identical Elements
01	Documentation Requirements	-	-	-	-	-	-	-
02	Contract Award	-	-	-	-	-	-	-
03	Guidance Conference	4	1	-	-	1	1	1
04	Interim LLL	4	1	-	-	1	1	1
05	Recommended LLL	4	1	-	-	1	1	1
06	Screening	-	-	-	-	-	-	-
07	I&S	-	-	-	-	-	-	-
08	SAIP	3	1	-	-	1	1	-
09	Provisioning Technical Documentation	4	1	-	-	1	1	1
10	SPTD	-	-	-	-	-	-	-
11	Provisioning Conference	4	1	-	-	1	1	1
12	Item Cost-Price Review	1	-	-	-	-	1	-
13	MC-ND Number	-	-	-	-	-	-	-
14	Initial Spares Support	1	-	-	-	-	1	-

Table 3-D

## AIR FORCE EVENT MATRIX COMPATIBILITY

## Procurement Data Type (Continued)

Event Number	Event Name	UNIQUE ELEMENTS		SIMILAR ELEMENTS		COMMON ELEMENTS		
		Total Data Elements	Unique Element	Unique Condition	Major Algorithm	Minor Algorithm	Direct Conversion	Identical Elements
15	SERD	-	-	-	-	-	-	-
16	Design Change Notice	6	4	-	-	1	1	-
17	Post Conference List	1	-	-	-	1	-	-
18	Requirements Determination	8	5	-	-	1	1	1
19	Cataloging	2	-	-	-	1	-	1
20	Supply Support Request	-	-	-	-	-	-	-
21	Provisioned Item Order	10	7	-	-	1	1	1
22	PIO Funding	9	6	-	-	1	1	1
23	Packaging	2	-	-	-	1	-	1
24	Delivery Date Acceptance-Rejection	5	5	-	-	-	-	-
25	Spares Pricing	6	4	-	-	1	-	1
26	Acquisition Management	7	6	-	-	1	-	-
27	Due-In Asset	6	5	-	-	1	-	-
28	Operational Need Date	-	-	-	-	-	-	-
TOTALS		87	48	-	-	16	12	11

Table 3-E

## AIR FORCE EVENT MATRIX COMPATIBILITY

Event Number	Event Name	Administration Data Type						
		UNIQUE ELEMENTS		SIMILAR ELEMENTS		COMMON ELEMENTS		
		Total Data Elements	Unique Element	Unique Condition	Major Algorithm	Minor Algorithm	Direct Conversion	Identical Elements
01	Documentation Requirements	-	-	-	-	-	-	-
02	Contract Award	-	-	-	-	-	-	-
03	Guidance Conference	11	2	4	1	1	3	-
04	Interim LLIL	11	2	4	1	1	3	-
05	Recommended LLIL	11	2	4	1	1	3	-
06	Screening	-	-	-	-	-	-	-
07	I&S	-	-	-	-	-	-	-
08	SAIP	-	-	-	-	-	-	-
09	Provisioning Technical Documentation	11	2	4	1	1	3	-
10	SPTD	2	-	1	-	-	1	-
11	Provisioning Conference	3	-	1	-	1	1	-
12	Item Cost-Price Review	-	-	-	-	-	-	-
13	NC-ND Number	-	-	-	-	-	-	-
14	Initial Spares Support	-	-	-	-	-	-	-

Table 3-E

AIR FORCE EVENT MATRIX COMPATIBILITY  
Administration Data Type (Continued)

Event Number	Event Name	Total Data Elements	UNIQUE ELEMENTS		SIMILAR ELEMENTS		COMMON ELEMENTS	
			Unique Element	Unique Condition	Major Algorithm	Minor Algorithm	Direct Conversion	Identical Elements
15	SERD	-	-	-	-	-	-	-
16	Design Change Notice	11	2	4	1	1	3	-
17	Post Conference List	-	-	-	-	-	-	-
18	Requirements Determination	-	-	-	-	-	-	-
19	Cataloging	-	-	-	-	-	-	-
20	Supply Support Request	-	-	-	-	-	-	-
21	Provisioned Item Order	-	-	-	-	-	-	-
22	PIO Funding	-	-	-	-	-	-	-
23	Packaging	-	-	-	-	-	-	-
24	Delivery Date Acceptance-Rejection	-	-	-	-	-	-	-
25	Spares Pricing	-	-	-	-	-	-	-
26	Acquisition Management	-	-	-	-	-	-	-
27	Due-In Asset	-	-	-	-	-	-	-
28	Operational Need Date	-	-	-	-	-	-	-
TOTALS		68	18	22	5	6	17	-

#### 4. Matrix Element Designation Codes

a. The flow of information between the manufacturer, the buyer and internal to the buyer is specified in the Provisioning Matrix and the Event Matrices through well defined data element designation codes. The symbolic code conventions employed in the Event Matrices are expanded to create 14 additional conventions necessary for Provisioning Matrix specification.

Table 4 presents each designation code, identifies the applicable matrix type, and defines the code convention in terms of data flow, data element relation and matrix event equivalency.

Table 4  
MATRIX ELEMENT DESIGNATION CODES

Designation Code	Applicable Matrix	Code Definition
B	Event	Buyer Data Element Produced Exclusively for Internal Use Applicable to a Matrix Event
BM	Event	Buyer Data Element Produced for the Manufacturer Applicable to an Event
MB	Event	Manufacturer Data Element Produced for the Buyer Applicable to an Event
MB/ MB	Provisioning	Common Air Force/Commercial Data MB Applicable to an Equivalent Air Force/Commercial Provisioning Event
MB/ BM	Provisioning	Common Air Force/Commercial Data with Air Force MB and Commercial BM Applicable to an Equivalent Event
MB/	Provisioning	Common Air Force/Commercial Data with only Air Force Data MB Applicable to an Event
/	Provisioning	Common Air Force/Commercial Data with only Commercial Data MB Applicable to an Event
MB X	Provisioning	Unique Air Force Data MB Applicable to an Event
X	Provisioning	Unique Commercial Data MB Applicable to an Event
BM/ BM	Provisioning	Common Air Force/Commercial Data BM Applicable to an Equivalent Event
BM/ MB	Provisioning	Common Air Force/Commercial Data with Air Force BM and Commercial MB Applicable to an Equivalent Event
BM/	Provisioning	Common Air Force/Commercial Data with only Air Force Data BM Applicable to an Event
/	Provisioning	Common Air Force/Commercial Data with only Commercial Data BM Applicable to an Event
BM X	Provisioning	Unique Air Force Data BM Applicable to an Event
X	Provisioning	Unique Commercial Data BM Applicable to an Event
B/	Provisioning	Common Air Force/Commercial Data with only Air Force Data B Applicable to an Event
B	Provisioning	Unique Air Force Data B Applicable to an Event



## 5. Air Force Event Matrix Designation

a. Designation codes assigned to the major data element compatibility relations are summarized in Table 5. Each data type is depicted according to the total number of applicable data elements and their distribution over designation codes within the Unique, Similar and Common Air Force/ATA data relations. Event matrix designations representing the flow of information between the manufacturer and the buyer (MB, BM) and internal (B) buyer data are quantified in order to assess the utility of available ATA data to Air Force provisioning.

b. The summary results of Table 5 are based on detailed matrix designations provided in Tables 5-A through E. Each table is restricted to a particular data type and specifies the applicability of data element designation code/compatibility relation to the performance of each Air Force provisioning event. The Air Force Control data elements are addressed in Table 5-A while Table 5-B provides the Application data type; Table 5-C, Air Force Technical data; Table 5-D, Procurement; and Table 5-E, the Administrative data type. Appendix B and its associated extracts specifically identify the data elements and manufacturer - Air Force data flow tabulated for each event. The unique element extract is provided in Appendix B1.1 for each of the five data types. Unique Condition elements are listed in Appendix B1.2; Major Algorithm elements, Appendix B2.1; Minor Algorithm, Appendix B2.2; and Direct Conversion and Identical element extracts are presented in Appendix B3.

Table 5

## AIR FORCE EVENT MATRIX DESIGNATION

Data Type	Total Elements	Summary					
		UNIQUE ELEMENTS		SIMILAR ELEMENTS		COMMON ELEMENTS	
		MB	BM	B	MB	BM	B
Control	172	83	25	5	15	2	-
						40	2
Application	141	36	10	19	54	0	14
						-	-
Technical	164	30	5	49	35	0	37
						-	-
Procurement	87	15	1	32	15	1	-
						17	2
Administration	60	26	6	-	9	2	-
						14	3
TOTALS	624	190	47	105	120	21	51
						71	7
							4

Table 5-A  
AIR FORCE EVENT MATRIX DESIGNATION

Event Number	Event Name	Total Data Elements	Control Data Type				UNIQUE ELEMENTS				SIMILAR ELEMENTS				COMMON ELEMENTS			
			MB	BH	B		MB	BH	B		MB	BH	B		MB	BH	B	
01	Documentation Requirements	-	-	-	-		-	-	-		-	-	-		-	-	-	
02	Contract Award	2	-	-	2		-	-	-		-	-	-		-	-	-	
03	Guidance Conference	11	-	-	7		-	-	-		-	-	2		-	-	2	
04	Interim LIL	15	9	2	-		9	2	-		2	-	-		2	-	-	
05	Recommended LIL	15	9	2	-		9	2	-		2	-	-		2	-	-	
06	Screening	8	3	1	2		3	1	2		-	-	-		2	-	-	
07	I&S	6	3	1	-		3	1	-		-	-	-		2	-	-	
08	SAIP	3	1	-	-		1	-	-		-	-	-		2	-	-	
09	Provisioning Technical Documentation	16	10	2	-		10	2	-		2	-	-		2	-	-	
10	SPTD	12	7	2	-		7	2	-		1	-	-		2	-	-	
11	Provisioning Conference	14	8	2	-		8	2	-		2	-	-		2	-	-	
12	Item Cost-Price Review	4	1	-	-		1	-	-		1	-	-		2	-	-	
13	MC-MD Number	7	4	-	-		4	-	-		1	-	-		2	-	-	
14	Initial Spares Support	9	5	-	-		5	-	-		2	-	-		2	-	-	

Table 5-A

## AIR FORCE EVENT MATRIX DESIGNATION

## Control Data Type (Continued)

Event Number	Event Name	Total Data Elements	UNIQUE ELEMENTS		SIMILAR ELEMENTS		COMMON ELEMENTS	
			MB	BM	MB	BM	MB	BM
15	SERD	2	-	-	-	-	2	-
16	Design Change Notice	14	8	2	-	-	2	-
17	Post Conference List	3	1	-	-	-	2	-
18	Requirements Determination	4	1	1	-	-	2	-
19	Cataloging	8	3	-	3	-	2	-
20	Supply Support Request	7	5	-	-	-	2	-
21	Provisioned Item Order	8	5	1	-	-	2	-
22	PIO Funding	-	-	-	-	-	-	-
23	Packaging	-	-	-	-	-	-	-
24	Delivery Date Acceptance-Rejection	-	-	-	-	-	-	-
25	Spares Pricing	-	-	-	-	-	-	-
26	Acquisition Management	2	-	-	-	-	2	-
27	Due-In Asset	2	-	-	-	-	2	-
28	Operational Need Date	-	-	-	-	-	-	-
TOTALS		172	83	25	3	13	2	40

Table 5-B  
AIR FORCE EVENT MATRIX DESIGNATION  
Application Data Type

Event Number	Event Name	Total Data Elements	UNIQUE ELEMENTS		SIMILAR ELEMENTS		COMMON ELEMENTS	
			MB	BM	MB	BM	MB	BM
01	Documentation Requirements	9	-	2	-	-	-	-
02	Contract Award	-	-	-	-	-	-	-
03	Guidance Conference	15	-	7	-	8	-	-
04	Interim LLIL	15	6	1	8	-	-	-
05	Recommended LLIL	15	6	1	8	-	-	-
06	Screening	1	-	-	1	-	-	-
07	IAS	2	1	-	1	-	-	-
08	SAIP	-	-	-	-	-	-	-
09	Provisioning Technical Documentation	14	6	-	8	-	-	-
10	SPTD	1	-	-	-	1	-	-
11	Provisioning Conference	17	3	6	6	2	-	-
12	Item Cost-Price Review	-	-	-	-	-	-	-
13	MC-ND Number	1	-	-	1	-	-	-
14	Initial Spares Support	2	1	-	-	1	-	-

Table 5-B

AIR FORCE EVENT MATRIX DESIGNATION  
Application Data Type (Continued)

Event Number	Event Name	Total Data Elements	UNIQUE ELEMENTS			SIMILAR ELEMENTS			COMMON ELEMENTS		
			MB	BM	B	MB	BM	B	MB	BM	B
15	SERD	-	-	-	-	-	-	-	-	-	-
16	Design Change Notice	14	6	-	-	8	-	-	-	-	-
17	Post Conference List	11	2	-	3	5	-	1	-	-	-
18	Requirements Determination	11	2	-	3	5	-	1	-	-	-
19	Cataloging	7	2	-	3	1	-	1	-	-	-
20	Supply Support Request	2	-	-	1	1	-	-	-	-	-
21	Provisioned Item Order	1	-	-	-	1	-	-	-	-	-
22	PIO Funding	-	-	-	-	-	-	-	-	-	-
23	Packaging	2	1	-	1	-	-	-	-	-	-
24	Delivery Date Acceptance-Rejection	-	-	-	-	-	-	-	-	-	-
25	Spares Pricing	-	-	-	-	-	-	-	-	-	-
26	Acquisition Management	-	-	-	-	-	-	-	-	-	-
27	Due-In Asset	-	-	-	-	-	-	-	-	-	-
28	Operational Need Date	1	-	1	-	-	-	-	-	-	-
TOTALS		141	36	18	19	54	8	14	-	-	-

Table 5-C  
AIR FORCE EVENT MATRIX DESIGNATION

Event Number	Event Name	Technical Data Type				UNIQUE ELEMENTS				SIMILAR ELEMENTS				COMMON ELEMENTS			
		Total Data Elements	MB	BM	B	MB	BM	B	MB	BM	B	MB	BM	B	MB	BM	B
01	Documentation Requirements	12	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-
02	Contract Award	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03	Guidance Conference	13	-	-	5	-	-	-	-	-	8	-	-	-	-	-	-
04	Interim LLIL	12	4	-	-	-	-	-	8	-	-	-	-	-	-	-	-
05	Recommended LLIL	12	4	-	-	-	-	-	8	-	-	-	-	-	-	-	-
06	Screening	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07	I&S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08	SAIP	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09	Provisioning Technical Documentation	11	4	-	-	-	-	-	7	-	-	-	-	-	-	-	-
10	SPTD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	Provisioning Conference	26	3	-	9	-	-	6	2	-	-	-	-	-	-	-	-
12	Item Cost-Price Review	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	MC-ND Number	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	Initial Spares Support	12	3	-	3	-	-	5	1	-	-	-	-	-	-	-	-

Table 5-C

## AIR FORCE EVENT MATRIX DESIGNATION

## Technical Data Type (Continued)

Event Number	Event Name	Total Data Elements	UNIQUE ELEMENTS		SIMILAR ELEMENTS		COMMON ELEMENTS	
			MB	BM	MB	BM	MB	BM
15	SERD	-	-	-	-	-	-	-
16	Design Change Notice	11	4	-	7	-	-	-
17	Post Conference List	22	3	11	1	7	-	-
18	Requirements Determination	21	3	18	1	7	-	-
19	Cataloging	5	1	2	-	2	-	-
20	Supply Support Request	6	-	5	-	1	-	-
21	Provisioned Item Order	6	-	5	-	1	-	-
22	PIO Funding	-	-	-	-	-	-	-
23	Packaging	-	-	-	-	-	-	-
24	Delivery Date Acceptance-Rejection	-	-	-	-	-	-	-
25	Spares Pricing	-	-	-	-	-	-	-
26	Acquisition Management	-	-	-	-	-	-	-
27	Due-In Asset	-	-	-	-	-	-	-
28	Operational Need Date	-	-	-	-	-	-	-
TOTALS		164	38	54	35	8	37	37



Table 5-0  
AIR FORCE EVENT MATRIX DESIGNATION  
Procurement Data Type

Event Number	Event Name	Total Data Elements	UNIQUE ELEMENTS		SIMILAR ELEMENTS		COMMON ELEMENTS	
			MB	BM	MB	BM	MB	BM
01	Documentation Requirements	-	-	-	-	-	-	-
02	Contract Award	-	-	-	-	-	-	-
03	Guidance Conference	4	-	1	-	1	-	2
04	Interim LLIL	4	1	-	1	-	2	-
05	Recommended LLIL	4	1	-	1	-	2	-
06	Screening	-	-	-	-	-	-	-
07	I&S	-	-	-	-	-	-	-
08	SAIP	3	1	-	1	-	1	-
09	Provisioning Technical	4	1	-	1	-	2	-
10	SPTD	-	-	-	-	-	-	-
11	Provisioning Conference	4	1	-	1	-	2	-
12	Item Cost-Price Review	1	-	-	-	-	1	-
13	MC-MD Number	-	-	-	-	-	-	-
14	Initial Spares Support	1	-	-	-	-	1	-

Table 5-D

## PROPOSED AIR FORCE EVENT MATRIX DESIGNATION

## Procurement Data Type (Continued)

Event Number	Event Name	Total Data Elements	UNIQUE ELEMENTS		SIMILAR ELEMENTS		COMMON ELEMENTS	
			MB	B	MB	B	MB	B
15	SRPD	-	-	-	-	-	-	-
16	Design Change Notice	6	4	-	1	-	1	-
17	Post Conference List	1	-	-	1	-	-	-
18	Requirements Determination	8	5	-	1	-	2	-
19	Cataloging	2	-	-	1	-	1	-
20	Supply Support Request	-	-	-	-	-	-	-
21	Provisioned Item Order	18	1	-	1	-	1	-
22	PIO Funding	9	-	-	1	-	1	-
23	Packaging	2	-	-	1	-	-	-
24	Delivery Date Acceptance-Rejection	5	-	-	-	-	-	-
25	Spares Pricing	5	-	-	1	-	-	-
26	Acquisition Management	6	-	-	1	-	-	-
27	Due-In Asset	5	-	-	1	-	-	-
28	Operational Need Date	-	-	-	-	-	-	-
TOTALS		87	15	1	32	1	17	4

Table 5-E

## AIR FORCE EVENT MATRIX DESIGNATION

## Administration Data Type

Event Number	Event Name	Total Data Elements	UNIQUE ELEMENTS		SIMILAR ELEMENTS		COMMON ELEMENTS	
			MB	B	MB	B	MB	B
01	Documentation Requirements	-	-	-	-	-	-	-
02	Contract Award	-	-	-	-	-	-	-
03	Guidance Conference	11	-	6	-	2	-	3
04	Interim LLIL	11	6	-	2	-	3	-
05	Recommended LLIL	11	6	-	2	-	3	-
06	Screening	-	-	-	-	-	-	-
07	I&S	-	-	-	-	-	-	-
08	SAIP	-	-	-	-	-	-	-
09	Provisioning Technical Documentation	11	6	-	2	-	3	-
10	SPTD	2	1	-	-	-	1	-
11	Provisioning Conference	3	1	-	1	-	1	-
12	Item Cost-Price Review	-	-	-	-	-	-	-
13	MC-ND Number	-	-	-	-	-	-	-
14	Initial Spares Support	-	-	-	-	-	-	-

Table 5-E  
AIR FORCE EVENT MATRIX DESIGNATION  
Administration Data Type

Event Number	Event Name	Total Data Elements	UNIQUE ELEMENTS		SIMILAR ELEMENTS		COMMON ELEMENTS	
			HB	BM	HB	BM	HB	BM
15	SERD	-	-	-	-	-	-	-
16	Design Change Notice	11	6	-	2	-	3	-
17	Post Conference List	-	-	-	-	-	-	-
18	Requirements Determination	-	-	-	-	-	-	-
19	Cataloging	-	-	-	-	-	-	-
20	Supply Support Request	-	-	-	-	-	-	-
21	Provisioned Item Order	-	-	-	-	-	-	-
22	PIO Funding	-	-	-	-	-	-	-
23	Packaging	-	-	-	-	-	-	-
24	Delivery Date Acceptance-Rejection	-	-	-	-	-	-	-
25	Spares Pricing	-	-	-	-	-	-	-
26	Acquisition Management	-	-	-	-	-	-	-
27	Due-In Asset	-	-	-	-	-	-	-
28	Operational Need Date	-	-	-	-	-	-	-
TOTALS		68	26	6	9	2	14	3

## 6. Air Force Event Matrix Data Type

a. The distribution of data elements applicable to event performance over the Control, Application, Technical, Procurement and Administration data types is summarized in Table 6. Values tabulated in Tables 5A-E are combined to establish an overview regarding the importance of each data type to each Air Force provisioning element.

b. Provisioning data provided by the manufacturer with a minimum of buyer direction and participation represents an extremely efficient circumstance relative to the overall provisioning process. Table 6-A is focused on the contribution of manufacturer data (designation code MB) to the performance of each Air Force provisioning event. The total contribution of manufacturer provided data to Air Force provisioning is partitioned into the separate data types to explicitly identify its role within each of the five major operationally equivalent data types.

In contrast to manufacturer data, provisioning elements requiring extensive manufacturer direction and interaction represent time consuming and expensive conditions within Air Force provisioning. The application of Air Force provided data (designation codes BM and B) to the performance of each Air Force provisioning event is presented in Table 6-B. The total contribution of Air Force provided data to Air Force provisioning is once again specified for each of the operationally equivalent data types.

Table 6

## AIR FORCE EVENT MATRIX DATA TYPE

Event Number	Event Name	Control	DATA ELEMENT TYPE TOTALS			Administration	Total
			Application	Technical	Procurement		
01	Documentation Requirements	-	9	12	-	-	21
02	Contract Award	2	-	-	-	-	2
03	Guidance Conference	11	15	13	4	11	54
04	Interim LLIL	15	15	12	4	11	57
05	Recommended LLIL	15	15	12	4	11	57
06	Screening	8	1	-	-	-	9
07	IAS	6	2	-	-	-	8
08	SAIP	3	-	1	3	-	7
09	Provisioning Technical Documentation	16	14	11	4	11	56
10	SPTD	12	1	-	-	2	15
11	Provisioning Conference	14	18	20	4	3	59
12	Item Cost-Price Review	4	-	-	1	-	5
13	MC-WD Number	7	1	-	-	-	8
14	Initial Spares Support	9	2	12	1	-	24

Table 6

## AIR FORCE EVENT MATRIX DATA TYPE (Continued)

Event Number	Event Name	Control	DATA ELEMENT TYPE TOTALS			Administration	Total
			Application	Technical	Procurement		
15	SERD	2	-	-	-	-	2
16	Design Change Notice	14	14	11	6	11	56
17	Post Conference List	3	11	22	1	-	37
18	Requirements Determination	4	11	21	8	-	44
19	Cataloging	8	7	5	2	-	22
20	Supply Support Request	7	2	6	-	-	15
21	Provisioned Item Order	8	1	6	18	-	25
22	PIO Funding	-	-	-	9	-	9
23	Packaging	-	2	-	2	-	4
24	Delivery Date Acceptance-Rejection	-	-	-	5	-	5
25	Spares Pricing	-	-	-	6	-	6
26	Acquisition Management	2	-	-	7	-	9
27	Due-In Asset	2	-	-	6	-	8
28	Operational Need Date	-	1	-	-	-	1
TOTALS		172	141	164	87	68	624

**Table 6-A**

**AIR FORCE EVENT MATRIX DATA TYPE**

Event Number	Event Name	Control	DATA ELEMENT TYPE TOTALS			Administration	Total
			Application	Technical	Procurement		
01	Documentation Requirements	-	-	-	-	-	-
02	Contract Award	-	-	-	-	-	-
03	Guidance Conference	-	-	-	-	-	-
04	Interim LLIL	13	14	12	4	11	54
05	Recommended LLIL	13	14	12	4	11	54
06	Screening	5	1	-	-	-	6
07	I&S	5	2	-	-	-	7
08	SAIP	3	-	1	3	-	7
09	Provisioning Technical Documentation	14	14	11	4	11	54
10	SPTD	10	-	-	-	2	12
11	Provisioning Conference	12	9	5	4	3	33
12	Item Cost-Price Review	4	-	-	1	-	5
13	MC-ND Number	7	1	-	-	-	8
14	Initial Spares Support	9	1	4	1	-	15



Table 6-A

## AIR FORCE EVENT MATRIX DATA TYPE

## Manufacturer Data (Continued)

Event Number	Event Name	Control	DATA ELEMENT TYPE TOTALS			Administration	Total
			Application	Technical	Procurement		
15	SERD	2	-	-	-	-	2
16	Design Change Notice	12	14	11	6	11	54
17	Post Conference List	3	7	4	1	-	15
18	Requirements Determination	3	7	4	8	-	22
19	Cataloging	5	3	1	2	-	11
20	Supply Support Request	7	1	-	-	-	8
21	Provisioned Item Order	7	1	-	3	-	11
22	PIO Funding	-	-	-	2	-	2
23	Packaging	-	1	-	1	-	2
24	Delivery Date Acceptance-Rejection	-	-	-	-	-	-
25	Spares Pricing	-	-	-	1	-	1
26	Acquisition Management	2	-	-	1	-	3
27	Due-In Asset	2	-	-	1	-	3
28	Operational Need Date	-	-	-	-	-	-
TOTALS		138	98	65	47	49	389

Table 6-B  
AIR FORCE EVENT MATRIX DATA TYPE  
Buyer Data

Event Number	Event Name	Control	DATA ELEMENT TYPE TOTALS				Administration	Total
			Application	Technical	Procurement			
01	Documentation Requirements	-	9	12	-	-	-	21
02	Contract Award	2	-	-	-	-	-	2
03	Guidance Conference	11	15	13	4	11	-	54
04	Interim LLLI	2	1	-	-	-	-	3
05	Recommended LLLI	2	1	-	-	-	-	3
06	Screening	3	-	-	-	-	-	3
07	I&S	1	-	-	-	-	-	1
08	SALP	-	-	-	-	-	-	-
09	Provisioning Technical Documentation	2	-	-	-	-	-	2
10	SPTD	2	1	-	-	-	-	3
11	Provisioning Conference	2	8	15	-	-	-	26
12	Item Cost-Price Review	-	-	-	-	-	-	-
13	NC-ND Number	-	-	-	-	-	-	-
14	Initial Spares Support	-	1	8	-	-	-	9

Table 6-8

## AIR FORCE EVENT MATRIX DATA TYPE

Buyer Data (Continued)

Event Number	Event Name	Control	DATA ELEMENT TYPE TOTALS			Administration	Total
			Application	Technical	Procurement		
15	SEND	-	-	-	-	-	-
16	Design Change Notice	2	-	-	-	-	2
17	Post Conference List	-	4	18	-	-	22
18	Requirements Determination	1	4	17	-	-	22
19	Cataloging	3	4	4	-	-	11
20	Supply Support Request	-	1	6	-	-	7
21	Provisioned Item Order	1	-	6	7	-	14
22	PIO Funding	-	-	-	7	-	7
23	Packaging	-	1	-	1	-	2
24	Delivery Date Acceptance-Rejection	-	-	-	5	-	5
25	Spares Pricing	-	-	-	5	-	5
26	Acquisition Management	-	-	-	6	-	6
27	Due-In Asset	-	-	-	5	-	5
28	Operational Need Date	-	1	-	-	-	1
	TOTALS	34	31	99	40	11	235

## 7. AF/ATA Data Compatibility - Common Data Elements

a. Table 7 provides a list of those Air Force data elements determined to be identical to available ATA data or to be identical following the direct conversion of available ATA data elements. Each of the compatible elements is analyzed according to its impact upon applicable Air Force provisioning events and Air Force direction (codes BM and B). In the advent that provisioning data common to Air Force and commercial provisioning is obtained directly from the manufacturer, proposed event reductions and element designations are specified to quantify provisioning efficiencies and associated cost savings.

Currently applicable events and element designations are specified in Appendix B3. Appendix C3 contains proposed events and designations obtained through the application of ATA data to Air Force provisioning.

Table 7

## AIR FORCE/ATA DATA COMPATIBILITY

## Common Data Elements

Element Name	Applicable Events+		Current		Designation Codes+		Reduced	
	Current	Proposed	MB	BM	MB	BM	MB	BM
C1 Federal Supply Code for Manufacturers*	21	21	20	1	21	-	(1)	1
C3 Manufacturers Part Number	21	21	20	1	21	-	(1)	1
P0 Quantity Unit Pack*	11	9	6	1	5	-	1	1
P11 Unit Price	12	12	11	1	11	1	-	-
D3 Date List Submitted	6	5	5	1	5	-	-	1
D8 Nomenclature	6	5	5	1	5	-	-	1
D9 Reference Designation Overflow Code	5	4	4	1	4	-	-	1
TOTALS	82	77	71	7	72	1	4	6

\* Identical to ATA Data Element

+ Current and Proposed Events/Codes are Respectively Presented in Appendix B3 and Appendix C3

## 8. AF/ATA Data Compatibility - Major Algorithm Data Elements

a. Air Force provisioning data obtainable from currently available ATA data following the execution of major algorithms is identified in Table 8. The impact of purchasing the compatible ATA elements, exercising the algorithm and generating the required Air Force elements is presented in the form of reduced provisioning event data applicability and reduced Air Force and manufacturer interaction. Appendix B2.1 identifies the events and element designations pertinent to current Air Force provisioning. Proposed events and their applicable element designations are presented in Appendix C2.1.

Table 8  
AIR FORCE/ATA DATA COMPATIBILITY  
Major Algorithm Data Elements

Element Name	Applicable Events+		Current		Designation Codes+		Reduced	
	Current	Proposed	MB	BM	MB	BM	MB	BM
C4 Next Higher Assembly	10	9	9	1	9	1	-	1
A7 Item Name	11	10	9	1	9	1	-	1
A12 Quantity Per Assembly	9	7	7	1	7	1	-	1
T20 SNR Code	13	11	4	1	4	1	-	1
T25 Total Quantity Recommended	7	6	3	1	3	1	-	1
D1 Change Authority Code	5	4	4	1	4	1	-	1
TOTALS	55	47	36	6	36	2	9	4

+ Current and Proposed Events/Codes are Respectively Presented in Appendix B2.1 and Appendix C2.1

9. AF/ATA Data Compatibility - Minor Algorithm Data Elements

a. Air Force provisioning data replicable through the application of a minor conversion algorithm to commonly available ATA data is presented in Table 9. Efficiencies achieved through the purchase of the compatible commercial elements, the exercise of required algorithms and production of the Air Force elements is displayed according to reduced event performance and reduced Air Force and manufacturer interaction (designation codes BM and B).

Appendix B2.2 identifies the events and their applicable designations currently pertinent to Air Force provisioning. Savings proposed through the application of currently available commercial ATA data are provided in Appendix C2.2.



Table 9  
AIR FORCE/ATA DATA COMPATIBILITY  
Minor Algorithm Data Elements

Element Name	Applicable Events+		Current		Designation Codes+		Reduced	
	Current	Proposed	MB	BM	MB	BM	MB	BM
C2 Indenture	7	6	1	1	6	1	1	1
A4 Drawing Status Code*	3	3	-	3	-	3	-	-
A5 Essentiality Code	10	8	2	5	5	3	(1)	1
A6 Interchangeability Code	10	8	2	1	8	-	-	1
A13 Quantity Per End Item	9	7	2	1	7	-	-	1
A14 Serial Number Effectivity - From	9	7	2	1	7	-	-	1
A15 Serial Number Effectivity - To	9	7	2	1	7	-	-	1
A19 Work Unit Code	6	5	1	1	5	-	-	1
T1 Base Condemnation Rate	10	8	2	5	5	3	(1)	1
T3 Depot Condemnation Rate	10	8	2	5	5	3	(1)	1
T5 Failure Factor 1	10	8	2	5	5	3	(1)	1
T6 Overhaul Replacement (PFI1)	10	8	2	5	5	3	(1)	1
T14 Maximum Allowable Operating Time	10	8	2	1	8	-	-	1
T19 Shelf Life Code	10	8	2	5	5	3	(1)	1
P10 Unit of Measure - Unit of Issue	16	15	1	15	15	-	-	1
D5 FSCM - Prime	6	7	(1)	1	6	1	(1)	-
TOTALS	145	121	24	92	15	38	99	77
							1	17

\* Not Recommended

+ Current and Proposed Events/Codes are Respectively Presented in Appendix 82.2 and Appendix C2.2

#### 10. AF/ATA Data Compatibility - Unique Condition Data Elements

a. Air Force provisioning data elements determined to be obtainable from commercially available data with the exception of one or more element conditions peculiar to Air Force provisioning are listed in Table 10. These elements represent the first instance of actual revisions to currently available ATA data in support of required Air Force provisioning activities. Efficiencies potentially achievable through selective ATA data revision and the implementation of associated data conversion are presented according to reduced provisioning event performance and reduced dependencies between the Air Force and their manufacturers.

The results of Table 10 were achieved through comparison of Appendix B1.2 and Appendix C1.2. The role of the Unique Condition elements in current Air Force provisioning is specified in Appendix B1.2 while their proposed role is displayed in Appendix C1.2. Reductions in applicable event data and the revised manufacturer-buyer data flow were quantified according to these appendices.

Table 10

## AIR FORCE/ATA DATA COMPATIBILITY

## Unique Condition Data Elements

Element Name	Applicable Events+			Current			Designation Codes+			Reduced		
	Current	Proposed	Reduced	MB	BM	B	MB	BM	B	MB	BM	B
C5 National Stock Number	6	6	-	2	3	1	3	2	1	(1)	1	-
C8 *Provisioning List Item Sequence Number	12	13	(1)	11	1	-	12	1	-	(1)	-	-
C9 Prior Item PLISN	10	11	(1)	10	-	-	11	-	-	(1)	-	-
C11 Reference Designation	10	-	10	10	-	-	-	-	-	10	-	-
C12 Reference Designation Code	9	-	9	9	-	-	-	-	-	9	-	-
C13 Reference Number Category Code	10	-	10	9	1	-	-	-	-	9	1	-
C16 Replaced or Superseding PLISN	10	10	-	9	1	-	10	-	-	(1)	1	-
C17 Same as PLISN	10	10	-	9	1	-	10	-	-	(1)	1	-
C18 Type of Change Code	10	9	1	9	1	-	9	-	-	-	1	-
A11 Program Parts Selection List Code	10	8	2	5	1	4	6	-	2	(1)	1	2
A18 Usable on Code	10	8	2	8	1	1	8	-	-	-	1	1
D4 Extended Remarks	5	4	1	4	1	-	4	-	-	-	1	-
D7 Multiple Card Count	5	4	1	4	1	-	4	-	-	-	1	-
D10 Remarks	5	4	1	4	1	-	4	-	-	-	1	-
D11 Submission Control Code	7	6	1	6	1	-	6	-	-	-	1	-
TOTALS	129	93	36	109	14	6	87	3	3	22	11	3

\* Generated from ATA Tape

+ Current and Proposed Events/Codes are Respectively Presented in Appendix B1.2 and Appendix C1.2

11. AF/ATA Data Compatibility - Unique Data Elements Recommended for ATA Addition

a. The peculiar requirements of Air Force provisioning necessarily incorporate a large number of data elements completely unique to currently available ATA provisioning data. The unique Air Force elements have been determined to generally complicate Air Force provisioning. Instances where efficiencies could be sensibly achieved through the introduction of unique Air Force elements to the ATA data set are specified in Table 11. Eight unique Air Force provisioning elements are recommended for addition to ATA data. Efficiencies potentially achievable through selective ATA data addition are quantified by reduced event performance requirements and reduced Air Force and manufacturer data dependencies.

The results of Table 11 were achieved through comparison of Appendix B1.1 and Appendix C1.1. Reductions in applicable event data and the revised manufacturer-buyer data flow were quantified by contrasting the current disposition of unique Air Force data in Appendix B1.1 with the proposed role of Appendix C1.1.

Table 11

AIR FORCE/ATA DATA COMPATIBILITY  
Unique Data Elements Recommended ATA Addition

Element Name	Applicable Events+		Current		Designation Codes+		Reduced	
	Current	Proposed	MB	BH	MB	BH	MB	BH
C7 PIIN - SPIIN	7	7	-	7	6	1	(6)	6
C18 Provisioning Contract Control Number	9	9	-	9	8	1	(8)	8
C14 Reference Number Justification Code	2	2	-	2	-	2	-	-
A9 Physical - Security Pilferage Code	8	7	1	7	7	-	-	1
A18 Precious Metal Indicator Code	8	7	1	4	1	3	(1)	1
T7 Not Repairable this Station (PF III)	18	8	2	4	1	5	(1)	1
P3 Production Lead Time	8	7	1	7	7	-	-	1
D2 Control Data	5	4	1	4	4	-	-	1
D6 Long Reference Part Number Code	5	4	1	4	4	-	-	1
TOTALS	62	55	7	38	22	18	46	28
							(16)	28

+ Current and Proposed Events/Codes are Respectively Presented in Appendix B1.1 and Appendix C1.1

**12. AF/ATA Data Compatibility - Unique Data Elements Not Recommended for ATA Addition**

a. Thirteen unique Air Force data elements integral to Air Force provisioning have been identified to primarily support internal Air Force provisioning management and control (designation code B). Whereas these elements do not contribute to the flow of information between the manufacturer and the Air Force buyer it would be inappropriate to consider them as viable candidates for ATA addition.

Table 12  
AIR FORCE/ATA DATA COMPATIBILITY  
Unique Data Elements - Not Recommended ATA Addition

Element Name	Applicable Events+ Current/Proposed	Designation Codes+ Current/Proposed MB	Designation Codes+ Current/Proposed B
C15 Reference Number Justification Code	2 2	-	2
A3 Demilitarization Code	3 3	-	3
T4 Document Availability Code	3 3	-	3
T9 Item Management Code	5 5	-	5
T12 Major Organizational Entity	7 7	-	6
T13 Material Management Aggregation Code	5 5	-	5
T15 Method of Support Code	4 4	-	4
T16 MOS Modifier Code	2 2	-	2
T18 Primary Inventory Control Activity	6 6	-	6
P1 Exhibit Line Item Number	6 6	-	6
P4 Procured from ELIN	8 8	2	6
P6 Quantity Procured	8 8	2	6
P7 Quantity Shipped	7 7	2	5
TOTALS	66 66	6	59

+ Events/Codes are Respectively Presented in Appendix B1.1 and Appendix C1.1

**13. AF/ATA Data Compatibility - Infrequently Used Unique Data Elements.**

a. Twenty unique Air Force data elements were determined in the first study phase to be infrequently used in Air Force provisioning. These elements have been validated and confirmed in the second and final study phase and their deletion from Air Force provisioning is thereby recommended.

Efficiencies obtainable through the elimination of these elements are quantified by reduced event performance requirements and reduced Air Force and manufacturer data dependencies.



Table 13

## AIR FORCE/ATA DATA COMPATIBILITY

Unique Data Elements - Infrequent Use (Delete)

Element Name	Applicable Events+ Current Proposed Reduced	Designation Codes+ Current Reduced MB BM B
C6 Phased Provisioning Code	6	5 1 -
A1 Automatic Data Processing Code	2	- - 2
A2 Delivery Schedule	7	- 4 3
A8 Mission Item Essentiality Code	3	- - 3
A16 Total Items Changed	7	6 1 -
A17 Type of Item Code	7	6 1 -
T2 Contractor Turn Around Time	18	8 1 1
T8 Initial Supply and/or Other Support List	4	- - 4
T18 Maintenance Action Code	18	8 1 1
T11 Maintenance Task Distribution	-	- - -
T17 Overhaul Quantity	-	- - -
T21 Special Handling Code	-	- - -
T22 Special Item Code	12	18 1 1
T23 Substitute MSAC	3	- - 3
T24 Substitute MSN	3	- - 3
P2 Procurement Control Identifier	-	- - -
P5 Prorated Quantity	8	2 - 6
P9 Requisition Number	3	- - 3
TOTALS	85 18	45 18 38

+ Events/Codes are Respectively Presented in Appendix B1.1 and Appendix C1.1

#### **14. Proposed Air Force Event Matrix Designation**

a. Designation codes MB, BM and B recommended for the Unique Element, Similar Element and Common Element relations are summarized in Table 14. Each data type (Control, Application, etc.) is depicted with the number of applicable data elements within each of the three compatibility relations. Table 5 provides analogous summary information for current Air Force provisioning.

b. Tables 14-A through 14-E present detailed breakdowns for data element designations proposed within the Unique, Similar and Common element relations for each Air Force provisioning event. Appendix C and its associated extracts specifically identify the data elements and manufacturer-Air Force data flow tabulated for each event. The unique element extract is provided in Appendix C1.1 for each of the five data types. Unique Condition elements are listed in Appendix C1.2; Major Algorithm elements, Appendix C2.1; Minor Algorithm, Appendix C2.2; and Direct Conversion and Identical element extracts are presented in Appendix C3.

Table 14  
PROPOSED AIR FORCE EVENT MATRIX DESIGNATION

Data Type	Total Elements	Summary				UNIQUE ELEMENTS		SIMILAR ELEMENTS		COMMON ELEMENTS	
		MB	BM	B		MB	BM	MB	BM	MB	BM
Control	134	69	5	3		15	-	-	-	42	-
Application	95	26	-	7		56	-	6	-	-	-
Technical	185	5	-	35		48	1	24	-	-	-
Procurement	72	13	-	23		15	-	-	16	1	4
Administration	51	31	-	-		18	-	-	18	-	-
TOTALS	457	144	5	68		136	1	38	68	1	4

Table 14-A  
PROPOSED AIR FORCE EVENT MATRIX DESIGNATION  
Control Data Type

Event Number	Event Name	Total Data Elements		UNIQUE ELEMENTS		SIMILAR ELEMENTS		COMMON ELEMENTS	
		MB	BM	MB	B	MB	BM	MB	BM
01	Documentation Requirements	-	-	-	-	-	-	-	-
02	Contract Award	1	-	1	-	-	-	-	-
03	Guidance Conference	2	-	2	-	-	-	-	-
04	Interim LLIL	11	7	-	-	2	-	2	-
05	Recommended LLIL	11	7	-	-	2	-	2	-
06	Screening	4	-	1	1	-	-	2	-
07	I&S	3	-	1	-	-	-	2	-
08	SAIP	2	-	-	-	-	-	2	-
09	Provisioning Technical Documentation	12	8	-	-	2	-	2	-
10	SPTD	10	7	-	-	1	-	2	-
11	Provisioning Conference	12	8	-	-	2	-	2	-
12	Item Cost-Price Review	4	1	-	-	1	-	2	-
13	MC-ND Number	5	2	-	-	1	-	2	-
14	Initial Spares Support	9	5	-	-	2	-	2	-

Table 14-A

## PROPOSED AIR FORCE EVENT MATRIX DESIGNATION

Control Data Type (Continued)

Event Number	Event Name	Total Data Elements	UNIQUE ELEMENTS		SIMILAR ELEMENTS		COMMON ELEMENTS	
			MB	BH	MB	BH	MB	BH
15	SEPD	2	-	-	-	-	2	-
16	Design Change Notice	11	7	-	2	-	2	-
17	Post Conference List	2	-	-	-	-	2	-
18	Requirements Determination	3	1	-	-	-	2	-
19	Cataloging	4	-	-	2	-	2	-
20	Supply Support Request	7	5	-	-	-	2	-
21	Provisioned Item Order	8	6	-	-	-	2	-
22	PIO Funding	-	-	-	-	-	-	-
23	Packaging	-	-	-	-	-	-	-
24	Delivery Date Acceptance-Rejection	-	-	-	-	-	-	-
25	Spares Pricing	-	-	-	-	-	-	-
26	Acquisition Management	2	-	-	-	-	2	-
27	Due-In Asset	2	-	-	-	-	2	-
28	Operational Need Date	-	-	-	-	-	-	-
29	Buy-Back	7	5	-	-	-	2	-
TOTALS		134	69	5	3	15	42	-

Table 14-B

## PROPOSED AIR FORCE EVENT MATRIX DESIGNATION

## Application Data Type

Event Number	Event Name	Total Data Elements	UNIQUE ELEMENTS			SIMILAR ELEMENTS			COMMON ELEMENTS		
			MB	BM	B	MB	BM	B	MB	BM	B
01	Documentation Requirements	-	-	-	-	-	-	-	-	-	-
02	Contract Award	-	-	-	-	-	-	-	-	-	-
03	Guidance Conference	1	-	-	-	1	-	-	-	-	-
04	Interim LLL	12	4	-	-	8	-	-	-	-	-
05	Recommended LLL	12	4	-	-	8	-	-	-	-	-
06	Screening	1	-	-	-	1	-	-	-	-	-
07	I&S	2	1	-	-	1	-	-	-	-	-
08	SAIP	-	-	-	-	-	-	-	-	-	-
09	Provisioning Technical Documentation	12	4	-	-	8	-	-	-	-	-
10	SPTD	1	-	-	-	-	-	1	-	-	-
11	Provisioning Conference	13	4	-	1	7	-	1	-	-	-
12	Item Cost-Price Review	-	-	-	-	-	-	-	-	-	-
13	NC-ND Number	1	-	-	-	1	-	-	-	-	-
14	Initial Spares Support	2	1	-	-	-	-	1	-	-	-

Table 14-R  
PROPOSED AIR FORCE EVENT MATRIX DESIGNATION  
Application Data Type (Continued)

Event Number	Event Name	Total Data Elements	UNIQUE ELEMENTS MB BM B	SIMILAR ELEMENTS MB BM B	COMMON MB BM B	ELEMENTS MB BM B
15	SERD	-	-	-	-	-
16	Design Change Notice	12	4	8	-	-
17	Post Conference List	8	1	5	1	-
18	Requirements Determination	8	1	5	1	-
19	Cataloging	5	1	1	1	-
20	Supply Support Request	2	-	1	-	-
21	Provisioned Item Order	1	-	1	-	-
22	PIO Funding	-	-	-	-	-
23	Packaging	2	1	1	-	-
24	Delivery Date Acceptance-Rejection	-	-	-	-	-
25	Spares Pricing	-	-	-	-	-
26	Acquisition Management	-	-	-	-	-
27	Due-In Asset	-	-	-	-	-
28	Operational Need Date	-	-	-	-	-
29	Buy-Back	-	-	-	-	-
TOTALS		95	26	56	7	6

Table 14-C  
PROPOSED AIR FORCE EVENT MATRIX DESIGNATION

Event Number	Event Name	Technical Data Type				UNIQUE ELEMENTS				SIMILAR ELEMENTS				COMMON ELEMENTS			
		Total Data Elements	MB	BM	B	MB	BM	B		MB	BM	B		MB	BM	B	
01	Documentation Requirements	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02	Contract Award	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
03	Guidance Conference	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04	Interim LLIL	9	1	-	-	8	-	-	-	8	-	-	-	-	-	-	-
05	Recommended LLIL	9	1	-	-	8	-	-	-	8	-	-	-	-	-	-	-
06	Screening	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07	I&S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08	SAIP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09	Provisioning Technical Documentation	8	1	-	-	7	-	-	-	7	-	-	-	-	-	-	-
10	SPTD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	Provisioning Conference	14	-	-	6	7	-	1	-	7	-	1	-	-	-	-	-
12	Item Cost-Price Review	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	NC-ND Number	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	Initial Spares Support	8	-	-	2	1	-	5	-	1	-	5	-	-	-	-	-



Table 14-C

## PROPOSED AIR FORCE EVENT MATRIX DESIGNATION

## Technical Data Type (Continued)

Event Number	Event Name	Total Data Elements	UNIQUE ELEMENTS			SIMILAR ELEMENTS			COMMON ELEMENTS		
			MB	BM	R	MB	BM	R	MB	BM	R
15	SERD	-	-	-	-	-	-	-	-	-	-
16	Design Change Notice	8	1	-	-	7	-	-	-	-	-
17	Post Conference List	16	-	-	8	1	-	7	-	-	-
18	Requirements Determination	15	-	-	7	1	-	7	-	-	-
19	Cataloging	5	-	-	2	-	-	2	-	-	-
20	Supply Support Request	6	-	-	5	-	-	1	-	-	-
21	Provisioned Item Order	6	-	-	5	-	-	1	-	-	-
22	PJO Funding	-	-	-	-	-	-	-	-	-	-
23	Packaging	-	-	-	-	-	-	-	-	-	-
24	Delivery Date Acceptance-Rejection	-	-	-	-	-	-	-	-	-	-
25	Spares Pricing	-	-	-	-	-	-	-	-	-	-
26	Acquisition Management	-	-	-	-	-	-	-	-	-	-
27	Due-In Asset	-	-	-	-	-	-	-	-	-	-
28	Operational Need Date	-	-	-	-	-	-	-	-	-	-
29	Buy-Back	1	-	-	-	-	1	-	-	-	-
TOTALS		105	5	-	35	40	1	24	-	-	-

Table 14-D

## PROPOSED AIR FORCE EVENT MATRIX DESIGNATION

## Procurement Data Type

Event Number	Event Name	Total Data Elements	UNIQUE ELEMENTS MB BM B	SIMILAR ELEMENTS ME BM B	COMMON ELEMENTS MB BM B
01	Documentation Requirements	-	-	-	-
02	Contract Award	-	-	-	-
03	Guidance Conference	-	-	-	-
04	Interim LLIL	4	1	1	2
05	Recommended LLIL	4	1	1	2
06	Screening	-	-	-	-
07	I&S	-	-	-	-
08	SAIP	3	1	1	1
09	Provisioning Technical Documentation	4	1	1	2
10	SPTD	-	-	-	-
11	Provisioning Conference	4	1	1	2
12	Item Cost-Price Review	1	-	-	1
13	NC-ND Number	-	-	-	-
14	Initial Spares Support	1	-	-	1

Table 14-D

## PROPOSED AIR FORCE EVENT MATRIX DESIGNATION

Procurement Data Type (Continued)

Event Number	Event Name	Total Data Elements	UNIQUE ELEMENTS		SIMILAR ELEMENTS		COMMON ELEMENTS	
			MB	B	MB	B	MB	B
15	SERD	-	-	-	-	-	-	-
16	Design Change Notice	5	3	-	1	-	1	-
17	Post Conference List	1	-	-	1	-	-	-
18	Requirements Determination	7	4	-	1	-	2	-
19	Cataloging	1	-	-	1	-	-	-
20	Supply Support Request	-	-	-	-	-	-	-
21	Provisioned Item Order	8	1	-	1	-	1	-
22	PIO Funding	7	-	-	1	-	1	-
23	Packaging	1	-	-	1	-	-	-
24	Delivery Date Acceptance-Rejection	4	-	-	-	-	-	-
25	Spares Pricing	5	-	-	1	-	-	-
26	Acquisition Management	5	-	-	1	-	-	-
27	Due-In Asset	5	-	-	1	-	-	-
28	Operational Need Date	-	-	-	-	-	-	-
29	Buy-Back	1	-	-	-	-	-	-
TOTALS		72	13	-	23	-	16	-

Table 14-E  
PROPOSED AIR FORCE EVENT MATRIX DESIGNATION  
Administration Data Type

Event Number	Event Name	Total Data Elements	UNIQUE ELEMENTS MB BM B	SIMILAR ELEMENTS MB BM B	COMMON ELEMENTS MB BM B
01	Documentation Requirements	-	-	-	-
02	Contract Award	-	-	-	-
03	Guidance Conference	-	-	-	-
04	Interim LLIL	11	7	2	2
05	Recommended LLIL	11	7	2	2
06	Screening	-	-	-	-
07	I&S	-	-	-	-
08	SAIP	-	-	-	-
09	Provisioning Technical Documentation	11	7	2	2
10	SPTD	2	1	-	1
11	Provisioning Conference	4	2	1	1
12	Item Cost-Price Review	-	-	-	-
13	MC-ND Number	-	-	-	-
14	Initial Spares Support	-	-	-	-

Table 14-E  
PROPOSED AIR FORCE EVENT MATRIX DESIGNATION  
Administration Data Type (Continued)

Event Number	Event Name	Total Data Elements	UNIQUE ELEMENTS		SIMILAR ELEMENTS		COMMON ELEMENTS	
			MB	BM	MB	BM	MB	BM
15	SERC	-	-	-	-	-	-	-
16	Design Change Notice	11	7	-	2	-	2	-
17	Post Conference List	-	-	-	-	-	-	-
18	Requirements Determination	-	-	-	-	-	-	-
19	Cataloging	-	-	-	-	-	-	-
20	Supply Support Request	-	-	-	-	-	-	-
21	Provisioned Item Order	-	-	-	-	-	-	-
22	PIO Funding	-	-	-	-	-	-	-
23	Packaging	-	-	-	-	-	-	-
24	Delivery Date Acceptance-Rejection	-	-	-	-	-	-	-
25	Spares Pricing	-	-	-	-	-	-	-
26	Acquisition Management	-	-	-	-	-	-	-
27	Due-In Asset	-	-	-	-	-	-	-
28	Operational Need Date	-	-	-	-	-	-	-
29	Buy-Back	1	-	-	1	-	-	-
TOTALS		51	31	-	10	-	10	-

## 15. Air Force Event Matrix Designation - Summary

a. The current disposition of unique, similar and common Air Force provisioning data presented in Table 5 is summarized and provided with the proposed Air Force designations of Table 14 in Table 15. The difference between current results and results achieved through the implementation of recommended procedures is provided by the number of reduced data element applications. Hence, efficiencies achieved through the application of ATA data to the Air Force provisioning method are quantified within each of the five operationally equivalent data types for the flow of information between the manufacturer, the Air Force, and internal to the Air Force.

Table 15

AIR FORCE EVENT MATRIX DESIGNATION

Efficiency Summary

Data Type	CURRENT ELEMENTS		PROPOSED ELEMENTS		REDUCED ELEMENTS	
	MB	BM	MB	BM	MB	BM
Control	130	29	5	126	5	3
Application	90	18	33	82	-	13
Technical	65	13	86	45	1	59
Procurement	47	4	36	44	1	27
Administration	49	11	-	51	-	-
TOTALS	389	75	168	348	7	102
					41	-68
						58

16. Proposed Air Force Event Matrix Data Type

a. The distribution of data elements proposed for event performance over the Control, Application, Technical, Procurement and Administration data types are provided in Table 16 for each Air Force provisioning event.

b. Provisioning data provided by the manufacturer (designation code MB) in the proposed Air Force method is presented in Table 16-A while Table 16-B identifies the associated Air Force data requirements (designation codes B and BM).



Table 16  
PROPOSED AIR FORCE EVENT MATRIX DATA TYPE

Event Number	Event Name	DATA ELEMENT TYPE TOTALS				
		Control	Application	Technical	Procurement	Administration
01	Documentation Requirements	-	-	-	-	-
02	Contract Award	1	-	-	-	1
03	Guidance Conference	2	1	-	-	3
04	Interim LLIL	11	12	9	4	47
05	Recommended LLIL	11	12	9	4	47
06	Screening	4	1	-	-	5
07	I&S	3	2	-	-	5
08	SALP	2	-	-	3	5
09	Provisioning Technical Documentation	12	12	8	4	47
10	SPTD	10	1	-	-	13
11	Provisioning Conference	12	13	14	4	47
12	Item Cost-Price Review	4	-	-	1	5
13	NC-MD Number	5	1	-	-	6
14	Initial Spares Support	9	2	8	1	20

Table 16

## PROPOSED AIR FORCE EVENT MATRIX DATA TYPE (Continued)

Event Number	Event Name	Control	DATA ELEMENT TYPE TOTALS				Total
			Application	Technical	Procurement	Administration	
15	SERD	2	-	-	-	-	2
16	Design Change Notice	11	12	8	5	11	47
17	Post Conference List	2	8	16	1	-	27
18	Requirements Determination	3	8	15	7	-	33
19	Cataloging	4	5	5	1	-	15
20	Supply Support Request	7	2	6	-	-	15
21	Provisioned Item Order	8	1	6	8	-	23
22	PIO Funding	-	-	-	7	-	7
23	Packaging	-	2	-	2	-	4
24	Delivery Date Acceptance-Rejection	-	-	-	4	-	4
25	Spares Pricing	-	-	-	5	-	5
26	Acquisition Management	2	-	-	5	-	7
27	Pue-In Asset	2	-	-	5	-	7
28	Operational Need Date	-	-	-	-	-	-
29	Buy-Back	7	-	1	1	1	10
	TOTALS	134	95	105	72	51	457

Table 16-A

## PROPOSED AIR FORCE EVENT MATRIX DATA TYPE

## Manufacturer Data

Event Number	Event Name	Control	Application	DATA ELEMENT TYPE TOTALS			Administration	Total
				Technical	Procurement			
01	Documentation Requirements	-	-	-	-	-	-	-
02	Contract Award	-	-	-	-	-	-	-
03	Guidance Conference	-	1	-	-	-	-	1
04	Interim LLL	11	12	9	4	11	11	47
05	Recommended LLL	11	12	9	4	11	11	47
06	Screening	2	1	-	-	-	-	3
07	I&S	2	2	-	-	-	-	4
08	SAIP	2	-	-	3	-	-	5
09	Provisioning Technical Documentation	12	12	8	4	11	11	47
10	SPTD	10	-	-	-	2	2	12
11	Provisioning Conference	12	11	7	4	4	4	38
12	Item Cost-Price Review	4	-	-	1	-	-	5
13	MC-ND Number	5	1	-	-	-	-	6
14	Initial Spares Support	9	1	1	1	-	-	12

Table 16-A

## PROPOSED AIR FORCE EVENT MATRIX DATA TYPE

## Manufacturer Data (Continued)

Event Number	Event Name	Control	DATA ELEMENT TYPE TOTALS			Administration	Total
			Application	Technical	Procurement		
15	SERD	2	-	-	-	-	2
16	Design Change Notice	11	12	0	5	11	47
17	Post Conference List	2	6	1	1	-	10
18	Requirements Determination	3	6	1	7	-	17
19	Cataloging	2	2	1	1	-	6
20	Supply Support Request	7	1	-	-	-	10
21	Provisioned Item Order	0	1	-	3	-	12
22	P/O Funding	-	-	-	2	-	2
23	Packaging	-	1	-	1	-	2
24	Delivery Date Acceptance-Rejection	-	-	-	-	-	-
25	Spares Pricing	-	-	-	-	-	-
26	Acquisition Management	2	-	-	-	-	2
27	Due-In Asset	2	-	-	-	-	2
28	Operational Need Date	-	-	-	-	-	-
29	Buy-Back	7	-	-	-	1	8
TOTALS		126	82	45	44	51	348

Table 16-B

## PROPOSED AIR FORCE EVENT MATRIX DATA TYPE

## Buyer Data

Event Number	Event Name	DATA ELEMENT TYPE TOTALS			
		Control	Application	Technical	Procurement
01	Documentation Requirements	-	-	-	-
02	Contract Award	1	-	-	1
03	Guidance Conference	2	-	-	2
04	Interim LLIL	-	-	-	-
05	Recommended LLIL	-	-	-	-
06	Screening	2	-	-	2
07	IAS	1	-	-	1
08	SAIP	-	-	-	-
09	Provisioning Technical Documentation	-	-	-	-
10	SPTD	-	1	-	1
11	Provisioning Conference	-	2	7	9
12	Item Cost-Price Review	-	-	-	-
13	NC-ND Number	-	-	-	-
14	Initial Spares Support	-	1	7	8

Table 16-B

## PROPOSED AIR FORCE EVENT MATRIX DATA TYPE

Buyer Data (Continued)

Event Number	Event Name	Control	DATA ELEMENT TYPE TOTALS			Administration	Total
			Application	Technical	Procurement		
15	SERD	-	-	-	-	-	-
16	Design Change Notice	-	-	-	-	-	-
17	Post Conference List	-	2	15	-	-	17
18	Requirements Determination	-	2	14	-	-	16
19	Cataloging	2	3	4	-	-	9
20	Supply Support Request	-	1	6	-	-	7
21	Provisioned Item Order	-	-	6	5	-	11
22	PLO Funding	-	-	-	5	-	5
23	Packaging	-	1	-	1	-	2
24	Delivery Date Acceptance-Rejection	-	-	-	4	-	4
25	Spares Pricing	-	-	-	4	-	4
26	Acquisition Management	-	-	-	4	-	4
27	Due-In Asset	-	-	-	4	-	4
28	Operational Need Date	-	-	-	-	-	-
29	Buy-Back	-	-	1	1	-	2
TOTALS		8	13	60	28	-	109

17. Air Force Event Matrix Data Type - Efficiency Summary

a. The current and proposed disposition of Manufacturer and Air Force provided data within Air Force provisioning is specified in Table 17. Results provided by Tables 6 and 16 were combined to illustrate provisioning efficiencies achieved through the reduction of applicable manufacturer/buyer data in the Control, Application, Technical, Procurement and Administrative data types.

Table 17  
AIR FORCE EVENT MATRIX DATA TYPE

Data Type	Data Element Totals			
	Manufacturer Data		Buyer Data	
	Current	Proposed	Current	Proposed
		Reduced		Reduced
Control	138	126	34	8
				26
Application	98	82	51	13
				38
Technical	65	45	99	68
				39
Procurement	47	44	48	28
				12
Administration	49	51	11	-
				11
TOTALS	389	348	235	189
		41		126



#### IV. CONCLUSION

##### 1. Analysis

a. Correlations and differences between the Air Force and the commercial provisioning methods were determined in the first phase of the Air Force provisioning study. Commercial provisioning was identified to achieve substantial efficiencies relative to the Air Force method in two important and related ways. First, the availability of provisioning data standardized according to ATA specification significantly reduced the flow of data between the manufacturer and the commercial buyer. Furthermore, the ATA data included factors necessary to the modeling of provisioning requirements commonly performed by manufacturers in commercial provisioning. This procedure ultimately results in the performance of the Buy-Back event at the end of the commercial provisioning cycle. Buy-Back was the single commercial event identified as completely unique to commercial provisioning in the first study phase. Hence, the second major cost-effective characteristic of commercial provisioning occurred as a direct result of the availability of requirements determination provisioning data with a minimum of manufacturer/buyer interaction.

b. The applicability of ATA data to Air Force provisioning was carefully analyzed in the second study phase. The rationale for emphasizing the potential role of commercially available data within the Air Force was twofold; through the reduction of inefficient data management and the potential incorporation of a buy-back provision in Air Force provisioning.

c. Tables 1, 2 and 3 provide compatibility relations between data elements in the two provisioning cycles. While data completely unique to Air Force provisioning is seen to comprise 48% of the total Air Force elements (40 of 84), 18 of the unique elements were determined to be virtually unused by the Air Force (Table 13). In terms of their applicability to event performance, unique Air Force elements were seen to account for approximately one-third of the total data instances (213 out of 624).

A considerable portion (101 of 213 total) of unique Air Force data application was determined to be internally directed toward the management and control of Air Force operations (data designation code type B). Thirteen unique elements identified in

Table 12 were not recommended for addition to ATA data because of their virtually exclusive application to internal Air Force processing. Hence a total of 9 unique Air Force data elements were determined as viable candidates for ATA inclusion. These elements include: Three control elements (C7) PIIN-SPIN, (C10) Provisioning Contract Control Number and (C14) Reference Number Justification Code; two application elements, (A9) Physical- Security Pilferage Code and (A10) Precious Metal Indicator Code; a single technical element, (T7) Not Repairable this Station; a single procurement element (P3) Production Lead Time; and two unique administration elements, (D2) Control Data and (D6) the Long Reference Part Number Code (Table 11).

d. While unique Air Force requirements initially appeared to constitute the single major obstacle to Air Force use of commercial ATA data, elements common to Air Force and commercial provisioning appeared to offer the greatest opportunity. Seven data elements were identified in the second study phase to either be identical to or identical following direct conversion to available ATA. Interestingly, these elements were determined to play a relatively active role in Air Force provisioning. Results presented in Table 7 reveal 82 instances of those common elements, almost all of which involve the flow of information from the manufacturer to the Air Force (designation code MB).

e. Between the extreme of the unique Air Force and the common ATA elements, Air Force provisioning could essentially be accomplished through the application of currently available ATA data. Tables 8, 9 and 10 contain specifications for 37 Air Force data elements determined to be algorithmically derivable from ATA data. Fifteen of these elements, termed unique condition elements, would ultimately require the addition of unique Air Force conditions to the ATA in order to fully support Air Force requirements. These elements were found to represent over half of the current data instances applicable to event performance in the Air Force provisioning cycle.

f. Based on the results achieved in the second study phase, it is strongly recommended that ATA Specification 200 data be expanded to include the required unique Air Force elements and the conditions necessary to satisfy processing peculiar to Air Force needs. In conjunction with ATA revision, the Air Force should introduce processing to perform the algorithms/conversions for the transform of currently available ATA data into MIL-STD-1552A and the Addendum compatible elements. The

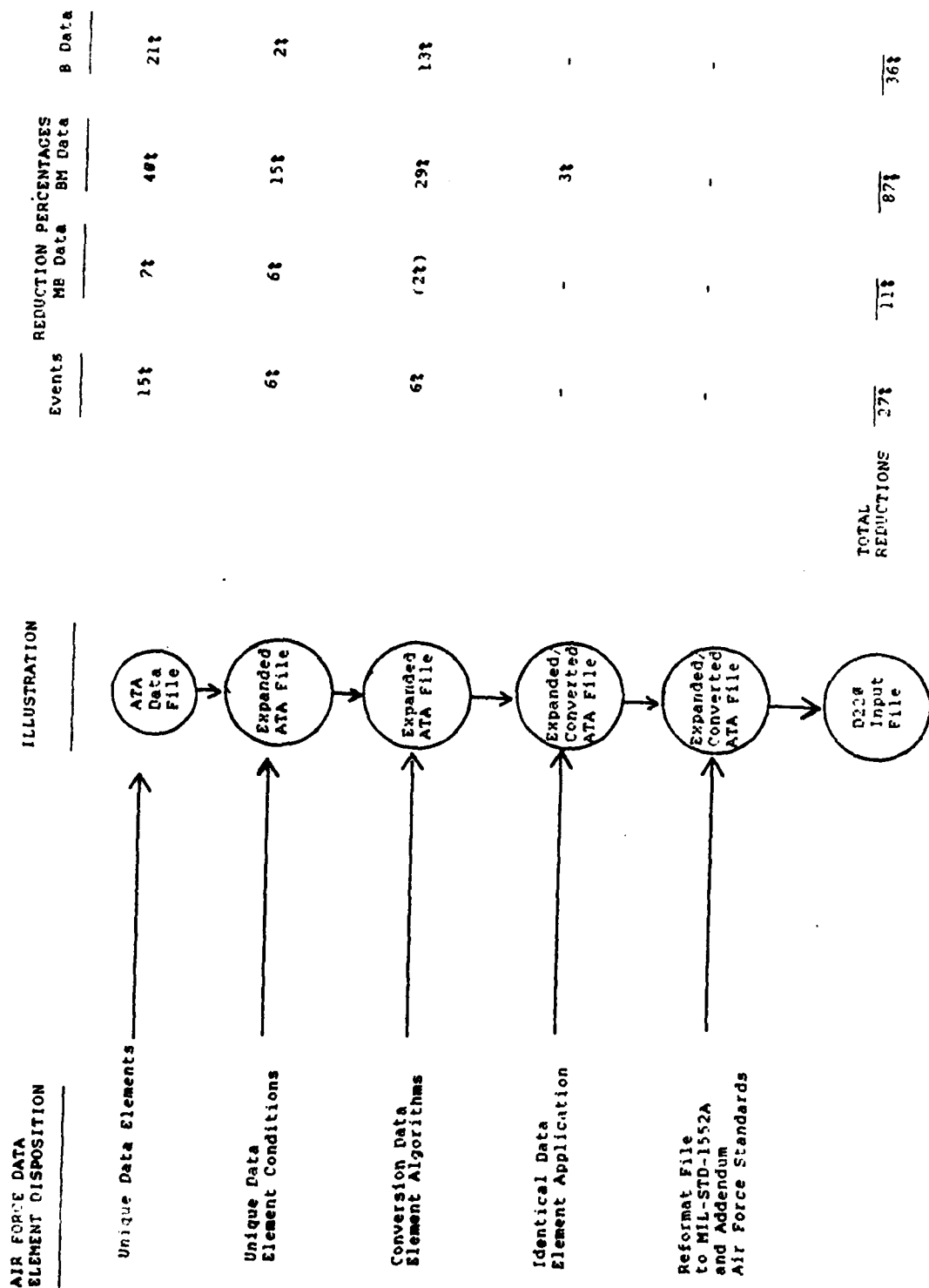
Air Force would then be in a position to take advantage of the efficiencies inherent to the use of ATA data. Requirements determination would still be performed by the Air Force, but it would be largely based on manufacturer provided data. It is anticipated that this technique could be effectively employed by the Air Force to enforce Buy-Back provisions designed to further enhance cost-effective provisioning.

g. Figure 3 illustrates the benefits of incorporating ATA data into the Air Force provisioning cycle. The addition of unique Air Force elements to currently available ATA data combined with the elimination of unused elements unique to D220 processing would result in a 15% reduction in data applied to provisioning event performance. The addition of unique data element conditions to amplify currently available ATA data representations would result in an additional 6% decrease in Air Force provisioning data application. The conversion of available ATA data to accommodate Air Force requirements would achieve an overall 6% element reduction.

h. Total Air Force provisioning data requirements would be reduced by 27% where the application of manufacturer provided data (Designation MB) would decrease by 11%, Air Force data provided to manufacturers (BM) down substantially by 87%, and internal Air Force data (B) down 35%.

i. It is further recommended that the findings of the New Approach to Air Force Provisioning study be implemented independently of modification to the D220 Provisioning system. Conversion logic and algorithm development should be incorporated in front-end processing designed to effectively transform procured ATA data into MIL-STD-1552A and the Addendum compatible format. In this manner, D220 would not be effected as it is currently configured.

Figure 3  
ATA BENEFIT ANALYSIS



## 2. Results

a. Appendix A contains the fundamental analytic tool developed in the first study phase to represent the similarities, differences, advantages and disadvantages of the Air Force and commercial provisioning methods. The designation codes of Table 4 were used to represent the Air Force and commercial provisioning data applicable to their respective provisioning method. World Airline Suppliers' Guide data definitions were employed to segment data elements into five operational categories to emphasize the similarities and differences between the commonly applied operational data.

b. An extract of Air Force provisioning events and their applicable data elements from the operationally organized Provisioning Matrix is presented in Appendix B. The 14 symbolic Provisioning Matrix designation codes were reduced to three primitive codes depicting the flow of information from the manufacturer to the Air Force (code MB), from the Air Force to the manufacturer (code BM), and management/control data internal to the Air Force (code B). The resulting Air Force Event Matrix was determined to contain 28 events and 85 provisioning data elements.

c. The Air Force Event Matrix was restricted in Appendix B1 to those data elements determined either to be totally unique to Air Force provisioning or to include unique conditions as well as conditions commonly available from ATA data. Tables 10, 11, 12 and 13 characterize the impact of these elements on Air Force provisioning. Appendix B1.1 contains an extract of Appendix B1 for the unique elements while Appendix B1.2 depicts a unique condition extract.

d. Appendix B2 presents an extract of the Air Force Event Matrix for data elements related to ATA data through the formulation of major or minor algorithms. Major algorithmic elements are specified exclusively in Appendix B2.1 while the minor elements are presented in Appendix B2.2.

e. Air Force provisioning data elements determined to be identical to ATA data or identical following direct conversion are extracted from the Air Force Event Matrix in Appendix B3 while Appendix B4 is restricted to Air Force provisioning data determined to be infrequently applied throughout the provisioning cycle.

f. A series of "C" Appendices were developed to correspond to the type B appendices for the proposed Air Force Event Matrix achieved through the successive application of commercially available ATA provisioning data.

Appendix C1 corresponds to Appendix B1 for the application of proposed Air Force unique and unique condition provisioning data elements. Similarly, Appendices C1.1, C1.2, C2, C2.1, C2.2 and C3 respectively correspond to Appendices B1.1, B1.2, B2, B2.1, B2.2 and B3 proposed for Air Force provisioning.

g. Appendix D represents the most efficient method determined for Air Force end item provisioning. This proposed Air Force Event Matrix was obtained through the elimination of infrequently applied provisioning data elements. Table 12 provides a list of these elements in support of their removal from Appendix C.

h. Appendix E contains the briefing package presented for the final study phase.

SECTION V.  
APPENDICES

Appendix A  
PROVISIONING MATRIX

CONTROL DATA TYPE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
C1 /Addition, Deletion or Change Part Number			X	X	X	X	X	X	X			X	MB			X	MB	X	X	X	MB	MB	X						
C2 /Additional Nomenclature			X	X	X	X	X	X	X			X	MB			X	MB	X	X	X	MB	MB	X						
C3 /Alternate Part Number			X	X	X	X	X	X	X			X	MB			X	MB	X	X	X	MB	MB	X						
C4 /End Item Manufacturing Code			X	X	X	X	X	X	X			X	MB			X	MB	X	X	X	MB	MB	X						
C5 PSCM/Manufacturers			BM/	MB/	MB/	MB/	MB/	MB/	MB/			MB/	MB/	MB/	MB/	MB/	MB/	MB/	MB/	MB/	MB/	MB/	MB/	MB/	MB/	MB/	MB/	MB/	MB/
C6 Indenture/Explanation Code			BM/	MB/	MB/	MB/	MB/	MB/	MB/			MB/	MB/	MB/	MB/	MB/	MB/	MB/	MB/	MB/	MB/	MB/	MB/	MB/	MB/	MB/	MB/	MB/	MB/
C7 Item Name/Keyword			X	X	X	X	X	X	X			X	MB			X	MB	X	X	X	MB	MB	X						
C8 /Manufacturer Change Code			X	X	X	X	X	X	X			X	MB			X	MB	X	X	X	MB	MB	X						
C9 Manufacturer Part Number/Part Number			BM/	MB/	MB/	MB/	MB/	MB/	MB/			MB/	MB/	MB/	MB/	MB/	MB/	MB/	MB/	MB/	MB/	MB/	MB/	MB/	MB/	MB/	MB/	MB/	MB/
C10 Next Higher Assembly PLSN/End Item Part Number			BM/	MB/	MB/	MB/	MB/	MB/	MB/			MB/	MB/	MB/	MB/	MB/	MB/	MB/	MB/	MB/	MB/	MB/	MB/	MB/	MB/	MB/	MB/	MB/	MB/



### PROVISIONING MATRIX (Continued)

[illegible]

## PROVISIONING MATRIX (Continued)

CONTROL DATA TYPE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
C20 Reference Number Category Code/Catalog Sequence Number			BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB
C21 Reference Number Justification Code						B	X	X																					
C22 Reference Number Variation Code						B	X																						
C23 Replaced or Superseding PLSN/Catalog Sequence Number			BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB
C24 Same as PLSN/ Part Number			BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB
C25 Type of Change Code/ Change Code			BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB	BM/ MB/ MB
Documentation Requirements																													
Contract Award/ Purchase Agreement																													
Guidance/Reprovisioning Conference																													
Interim LLL																													
Recommended LLL/ Long Lead-Time Items																													
Screening/Screening																													
LCS/Screening																													
SAP																													
Providing Technical/ And Item Data																													
SPTD/Manufacturers Technical Data																													
Provisioning Conference/ Conferences/Forecasting																													
Item Cost-Price Review/ Procurement Budget Review																													
NC-ND Number																													
Initial Spares Support																													
SEED																													
Design Change Notice/ Revision Service																													
Post Conference List																													
Requisitions Determination/ Provisioning Model																													
Cataloging/Control and Cross References																													
Supply Support Request																													
PJO/Recommended Spares/ Purchasing Decision																													
PJO Funding/ Procurement Budget Review																													
Packaging/Packaging																													
Delivery Date																													
Acceptance-Rejection																													
Spares Pricing/ Procurement Budget Review																													
PJO Release/Purchase Order																													
Due-In Asset/Cash Flow																													
Operational Need Date/OND																													
Buy Back																													

Appendix A  
PROVISIONING MATRIX (Continued)

APPLICATION DATA TYPE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
A1 Automatic Data Processing Code																													
A2 Delivery Schedule																													
A3 Demilitarization Code																													
A4 Drawing Status Code/Control Specification-Drawing																													
A5 /Engine Level Maintenance																													
A6 Essentiality/ Essentiality Code																													
A7 Interchangeability Code/ Part Number Change																													
A8 Item Name/ Explanation Code																													
A9 Mission Item Essentiality Code																													
A10 Physical-Security Pilferage Code																													
Documentation Requirements																													
Contract Award/ Purchase Agreement																													
Guidance/Reprovisioning Conference																													
Interim LTL																													
Recommended LTL/ Long Lead-Time Items																													
Screening/Screening																													
MS/Screening																													
SAP																													
Provisioning Technical/ End Item Data																													
SPTD/Manufacturers Technical Data																													
Provisioning Conference/ Conferences/Forecasting																													
Item Cost-Price Review/ Procurement Budget Review																													
NC-ND Number																													
Initial Spares Support																													
SEPD																													
Design Change Notice/ Revision Service																													
Post Conference List																													
Requirements Determination/ Provisioning Model																													
Cataloging/Control and Cross Reference																													
Supply Support Request																													
PIO/Recommended Spares/ Purchasing Decision																													
PIO Funding/ Procurement Budget Review																													
Packaging/Packaging																													
Delivery Date Acceptance-Rejection																													
Spares Pricing/ Procurement Budget Review																													
PIO Release/Purchase Order																													
Due-In Asset/Cash Flow																													
Operational Need Date/OND																													
Buy Back																													

Appendix A  
PROVISIONING MATRIX (Continued)

APPLICATION DATA TYPE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
A11 /Pool Item Candidate	B/																												
A12 Precision Metal Indicator Code			BM	MB	MB				MB		B					MB			B										
A13 Program Parts Selection List Code/Standard Parts Indicator			X	X	X				X		X					X			X										
A14 Quantity per Assembly/Units per Assembly	B/		BM/	MB/	MB/	/	MB/	MB	MB	MB	R/	MB				MB/	B/	B/	/	MB	/	MB							
A15 Quantity per End Item/Total Quantity	B/		BM/	MB/	MB/	MB		MB	MB	MB	MB	MB				MB/	MB/	MB/	MB/	MB	/	MB							
A16 /Reason for Selection											X	MB	MB			X	MB		X	MB	X	MB							
A17 /Select from Identifier											X	MB				X	MB												
A18 Serial Number Effectivity -From/Effectivity	B/		BM/	MB/	MB/				MB/	MB	MB/	MB				MB/	MB/	MB/	MB/	/	MB	/	MB						
A19 Serial Number Effectivity -To/Effectivity	B/		BM/	MB/	MB/				MB/	MB	MB/	MB				MB/	MB/	MB/	MB/	/	MB	/	MB						
Documentation Requirements																													
Contract Award/																													
Guidance/Preprovisioning																													
Interim LTL																													
Recommended LTL/Long Lead-Time Items																													
Screening/Screening																													
LTS/Screening																													
SAIP																													
Provisioning Technical/End Item Data																													
SPTD/Manufacturers																													
Technical Data																													
Provisioning Conference/Conferences/Forecasting																													
Item Cost-Price Review/Procurement Budget Review																													
NC-ND Number																													
Initial Spares Support																													
SERD																													
Design Change Notice/Revision Service																													
Post Conference List																													
Requirements Determination/Provisioning Model																													
Cataloging/Control and Cross Reference																													
Supply Support Request																													
PIO/Recommended Spares/Procurement Decision																													
PIO Funding/Procurement Budget Review																													
Packaging/Packaging																													
Delivery Date																													
Acceptance-Rejection																													
Spares Pricing/Procurement Budget Review																													
PIO Release/Purchase Order																													
Due-In Asset/Cash Flow																													
Operational Need Date/OND																													
Buy Back																													

## Appendix A

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## Appendix A

## PROVISIONING MATRIX (Continued)

TECHNICAL DATA TYPE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
T1 Item Condemnation Rate/Scrap Rate	B/		BM/	MB/	MB/				MB/	MB/	B/		B/			MB/	B/	B/	MB		/								
T2 Contractor Turn Around Time	B		BM	MB	MB				MB	MB	MB		MB			MB	MB	X	X										
T3 Depot Condemnation Rate/Scrap Rate	B/		BM/	MB/	MB/				MB/	MB/	B/		D/			MB/	B/	B/	MB		/								
T4 Document Availability Code											B	X	B	X		B	X												
T5 Failure Factor I/ Unscheduled Removal Rate	B/		BM/	MB/	MB/				MB/	MB/	B/		B/			MB/	B/	B/	MB		/								
T6 Failure Factor II/ Renewal Rate Indicator	B/		BM/	MB/	MB/				MB/	MB/	B/		B/			MB/	B/	B/	MB		/								
T7 Overhaul Replacement Percentage Time Cycle Between Overhaul	B/		BM/	MB/	MB/				MB/	MB/	B/		B/			MB/	B/	B/	MB		/								
T8 Not Repairable This Station	B		BM	MB	MB				MB	MB	B	X	B	X		MB/	B	B	B										
T9 Hazardous Material Code			X	X	X				X	MB						X	MB							X					
T10 Initial Supply and/or Other Support List			MB								B	X	B	X				B	B										

Documentation Requirements  
Contract Award/  
Purchase Agreement  
Guidance/Provisioning  
Conference  
Interim LIL  
Recommended LIL/  
Long Lead-Time Items  
Screening/Screening  
LTS/Screening  
SAIP  
Provisioning Technical/  
End Item Data  
SPTD/Manufacturers  
Technical Data  
Provisioning Conference/  
Conferences/Forecasting  
Item Cost-Price Review/  
Procurement Budget Review  
NC-MD Number  
Initial Spares Support  
SERD  
Design Change Notice/  
Revision Service  
Post Conference List  
Requirements Determination/  
Provisioning Model  
Cataloging/Control and  
Cross Reference  
Supply Support Request  
PIO/Recommended Spares/  
Purchasing Decision  
PIO Funding/  
Procurement Budget Review  
Packaging/Packaging  
Delivery Date  
Acceptance-Rejection  
Spares Pricing/  
Procurement Budget Review  
PIO Release/Purchase Order  
Due-In Asset/Cash Flow  
Operational Need Date/OND  
Buy Back

## Appendix A

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T21	Primary Inventory	Control Activity
1	Inventory	Inventory
2	Inventory	Inventory
3	Inventory	Inventory
4	Inventory	Inventory
5	Inventory	Inventory
6	Inventory	Inventory
7	Inventory	Inventory
8	Inventory	Inventory
9	Inventory	Inventory
10	Inventory	Inventory
11	Inventory	Inventory
12	Inventory	Inventory
13	Inventory	Inventory
14	Inventory	Inventory
15	Inventory	Inventory
16	Inventory	Inventory
17	Inventory	Inventory
18	Inventory	Inventory
19	Inventory	Inventory
20	Inventory	Inventory
21	Inventory	Inventory
22	Inventory	Inventory
23	Inventory	Inventory
24	Inventory	Inventory
25	Inventory	Inventory
26	Inventory	Inventory
27	Inventory	Inventory
28	Inventory	Inventory
29	Inventory	Inventory
30	Inventory	Inventory
31	Inventory	Inventory
32	Inventory	Inventory
33	Inventory	Inventory
34	Inventory	Inventory
35	Inventory	Inventory
36	Inventory	Inventory
37	Inventory	Inventory
38	Inventory	Inventory
39	Inventory	Inventory
40	Inventory	Inventory
41	Inventory	Inventory
42	Inventory	Inventory
43	Inventory	Inventory
44	Inventory	Inventory
45	Inventory	Inventory
46	Inventory	Inventory
47	Inventory	Inventory
48	Inventory	Inventory
49	Inventory	Inventory
50	Inventory	Inventory
51	Inventory	Inventory
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73	Inventory	Inventory
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75	Inventory	Inventory
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81	Inventory	Inventory
82	Inventory	Inventory
83	Inventory	Inventory
84	Inventory	Inventory
85	Inventory	Inventory
86	Inventory	Inventory
87	Inventory	Inventory
88	Inventory	Inventory
89	Inventory	Inventory
90	Inventory	Inventory
91	Inventory	Inventory
92	Inventory	Inventory
93	Inventory	Inventory
94	Inventory	Inventory
95	Inventory	Inventory
96	Inventory	Inventory
97	Inventory	Inventory
98	Inventory	Inventory
99	Inventory	Inventory
100	Inventory	Inventory

## T22 Abstract Item References

 T23 Shelf Life Code/ Storage Condition |

T26 S&amp;B Code/Local Fabrication

TPS SMN Code/  
Spore Part Classification

**T26 Special Handling Code**

T27 Special Item Code

T28     Subject: **MMAC**

**NBN Subject NBN  
62J**

**T30 /Time Cycles Between Shop Visit**

T21 /Time Cycle Indicator

**T32 Total Quantity Recommended/  
Recommended Quantity**

## PROVISIONING MATRIX (Continued)

[illegible]



## PROVISIONING MATRIX (Continued)

PROCUREMENT DATA TYPE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
P1 /Currency Code					X	MB						X	MB			X	MB				X	MB			X	MB			
P2 /Discount					X	MB						X	MB			X	MB				X	MB			X	MB			
P3 /Effective Date					X	MB						X	MB			X	MB				X	MB			X	MB			
P4 Exhibit Line Item Number					X	MB						X	MB			X	MB				X	MB			X	MB			
P5 /Lead Time					X	MB						X	MB			X	MB				X	MB			X	MB			
P6 /Minimum Sales Quantity					X	MB						X	MB			X	MB				X	MB			X	MB			
P7 /Price Condition					X	MB						X	MB			X	MB				X	MB			X	MB			
P8 /Price Type					X	MB						X	MB			X	MB				X	MB			X	MB			
P9 Procurement Control Identifier					X	MB						X	MB			X	MB				X	MB			X	MB			
P10 Production Lead Time					X	MB						X	MB			X	MB				X	MB			X	MB			
P11 /Proprietary Code					X	MB						X	MB			X	MB				X	MB			X	MB			

### PROVISIONING MATRIX (Continued)

[illegible]

Appendix A  
PROVISIONING MATRIX (Continued)

ADMINISTRATION DATA TYPE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
D1 Change Authority Number/ Change Code			BM/	MB/	MB/				MB/			/	MB			MB/	MB/	/	MB		/	MB			/	MB			
D2 Control Data			BM	MB	MB				MB							MB													
D3 /Customer			X	X	X				X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
D4 Date List Submitted/ Transmission Date			BM/	MB/	MB/				MB/		MB/	/	MB			MB/	MB/	/	MB		/	MB			/	MB			
D5 Extended Remarks/ Remarks			BM/	MB/	MB/				MB/		MB/	/	MB			MB/	MB/	/	MB		/	MB			/	MB			
D6 /File Identifier			X	X	X				X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
D7 FPCN - Price/ Manufacturer			BM/	MB/	MB/				MB/		MB/	/	MB			MB/	MB/	/	MB		/	MB			/	MB			
D8 Long Reference Part Number Code			BM	MB	MB				MB		MB/	/	MB			MB	MB												
D9 Multiple Card Count/ Transmission Sequence			BM/	MB/	MB/				MB/		MB/	/	MB			MB	MB												

Documentation Requirements																													
Contract Award/ Purchase Agreement																													
Guidance/Provisioning Conference																													
Interim LTL																													
Recommended LTL/ Long Lead-Time Items																													
Screening/Screening																													
Lab/Screening																													
SAIP																													
Provisioning Technical/ End Item Data																													
SPTD/Manufacturers Technical Data																													
Provisioning Conference/ Conferences/Forecasting																													
Item Cost-Price Review/ Procurement Budget Review																													
NC-ND Number																													
Initial Spares Support																													
SERD																													
Design Change Notice/ Revision Service																													
Post Conference List																													
Requisition Determination/ Provisioning Model																													
Cataloging/Control and Cross Reference																													
Supply Support Request																													
PJO/Recommended Spares/ Purchasing Decision																													
PJO Funding/ Procurement Budget Review																													
Packaging/Packaging																													
Delivery Date																													
Acceptance-Rejection																													
Spares Pricing/ Procurement Budget Review																													
PJO Release/Purchase Order																													
Due-In Asset/Cash Flow																													
Operational Need Date/OND																													
Buy Back																													

Appendix A  
PROVISIONING MATRIX (Continued)

ADMINISTRATION DATA TYPE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
D10 Message/Response/Message			DM/MB	MB/MB	MB/MB				MB/MB		MB/MB					MB/MB		MB/MB			MB/MB				MB/MB				
D11 Message/Response/Model Identification			DM/MB	MB/MB	MB/MB				MB/MB		MB/MB					MB/MB		MB/MB			MB/MB				MB/MB				
D12 Record Type			X		X				X							X		X			X				X				
D13 Reference Designation Over-Flow Code/Explanation Code			DM/MB	MB/MB	MB/MB				MB/MB							MB/MB		MB/MB			MB/MB				MB/MB				
D14 Remarks/Explanation Code			DM/MB	MB/MB	MB/MB				MB/MB							MB/MB		MB/MB			MB/MB				MB/MB				
D15 Response Number			X		X				X							X		X			X				X				
D16 Submission Control Code/Transmission Sequence			DM/MB	MB/MB	MB/MB				MB/MB		MB/MB					MB/MB		MB/MB			MB/MB				MB/MB				
D17 Text			X		X				X							X		X			X				X				
D18 Text Counter			X		X				X							X		X			X				X				
D19 Total Records			X		X				X							X		X			X				X				
D20 Transmitter of Data			X		X				X							X		X			X				X				

CONTROL  
DATA TYPE

AF. EVENT MATRIX

AIR FORCE V MATRIX

CONTROL DATA TYPE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
C1 Federal Supply Code for Manufacturers	BM	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB
C2 Indenture	BM	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB
C3 Manufacturers Part Number	BM	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB
C4 Next Higher Assembly	BM	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB
C5 National Stock Number	BM	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB
C6 Phased Provisioning Code	BM	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB
C7 PIIN-SPIIN	BM	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB
C8 Provisioning List Item Sequence Number	BM	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB
C9 Prior Item PLISN	BM	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB
C10 Provisioning Contract Control Number	BM	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB
C11 Reference Designation	BM	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB
C12 Reference Designation Code	BM	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB
C13 Reference Number Category Code	BM	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB
C14 Reference Number Justification Code	BM	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB
C15 Reference Number Variation Code	BM	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB
C16 Replaced or Superseding PLISN	BM	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB
C17 Same as PLISN	BM	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB
C18 Type of Change Code	BM	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB

APPLICATION	DATA TYPE

**AIR FORCE EVENT MATRIX (Continued)**

[illegible]

Appendix B  
AIR FORCE EVENT MATRIX (Continued)

TECHNICAL  
DATA TYPE

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
T1 Base Condemnation Rate	B	BM	MB	MB	MB	MB	MB	MB	MB	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
T2 Contractor Turn Around Time	B	BM	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB
T3 Depot Condemnation Rate	B	BM	MB	MB	MB	MB	MB	MB	MB	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
T4 Document Availability Code	B	BM	MB	MB	MB	MB	MB	MB	MB	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
T5 Failure Factor I	B	BM	MB	MB	MB	MB	MB	MB	MB	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
T6 Failure Factor II	B	BM	MB	MB	MB	MB	MB	MB	MB	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
T7 Failure Factor III	B	BM	MB	MB	MB	MB	MB	MB	MB	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
T8 Initial Supply and-or Other Support List	B	BM	MB	MB	MB	MB	MB	MB	MB	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
T9 Item Management Code	B	BM	MB	MB	MB	MB	MB	MB	MB	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
T10 Maintenance Action Code	B	BM	MB	MB	MB	MB	MB	MB	MB	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
T11 Maintenance Task Distribution	B	BM	MB	MB	MB	MB	MB	MB	MB	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
T12 Major Organizational Entity	B	BM	MB	MB	MB	MB	MB	MB	MB	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
T13 Material Management Aggregation Code	B	BM	MB	MB	MB	MB	MB	MB	MB	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B

TECHNICAL  
DATA TYPE (Continued)

Appendix B  
AIR FORCE EVENT MATRIX (Continued)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
T14 Maximum Allowable Operating Time	B	BM	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB
T15 Method of Support Code																												
T16 MOS Modifier Code																												
T17 Overhaul Quantity																												
T18 Primary Inventory Control Activity																												
T19 Shelf Life Code																												
T20 SPM Code																												
T21 Special Handling Code																												
T22 Special Item Code																												
T23 Substitute MMAC																												
T24 Substitute MSN																												
T25 Total Quantity Recommended																												



## AIR FORCE EVENT MATRIX (Continued)

**PROCUREMENT  
DATA TYPE**[illegible]

**P) Exhibit Line Item Number**

**P2 Procurement Control Identifier**

**P3 Production Lead Time**

**P4 Prorated from ELIN**

**PS Prorated Quantity**

**Pe Quantity Procured**

**P7 Quantity Shipped**

**P8 Quantity Unit Pack**

**P9 Requisition Number**

**PLD Unit of Measure-  
Unit of Issue**

**Pl1 Unit Price**

[illegible]

ADMINISTRATION  
DATA TYPE

Appendix B  
AIR FORCE EVENT MATRIX (Continued)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
D1 Change Authority Code	BM	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB
D2 Control Data	BM	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB
D3 Date List Submitted	BM	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB
D4 Extended Remarks	BM	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB
D5 PSCM - Prime	BM	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB
D6 Long Reference Part Number Code	BM	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB
D7 Multiple Card Count	BM	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB
D8 Nomenclature	BM	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB
D9 Reference Designation Overflow Code	BM	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB
D10 Remarks	BM	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB
D11 Submission Control Code	BM	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB

## Appendix B)

## AIR FORCE EVENT MATRIX

### Unique Elements or Element Conditions

[illegible]

# AIR FORCE EVENT MATRIX

## Unique Elements or Element Conditions

[illegible]

# Appendix B1

## AIR FORCE EVENT MATRIX

### Unique Elements or Element Conditions

D A C L L S I S P S P I N I S D P R C S S P P D S A D O  
 O W U L L C C A T P P r t C S S E C C e a S I I a e p q u n  
 C a i I I r S I D T V e - S R N L q t R O O c l i a e d  
 u r d a e n n e o s n D a l e o u g e s n n  
 e n c e n e f f t g e r a g  
 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28

#### TECHNICAL DATA TYPE

T2 Contractor Turn Around Time

T4 Document Availability Code

T7 Failure Factor III

T8 Initial Supply and-or  
Other Support List

T9 Item Management Code

T10 Maintenance Action Code

T11 Maintenance Task  
Distribution

T12 Major Organizational Entity

T13 Material Management  
Aggregation Code

T15 Method of Support Code

T16 MOS Modifier Code

T17 Overhaul Quantity

T18 Primary Inventory  
Control Activity

T21 Special Handling Code

T22 Special Item Code

T23 Substitute MMAC

T24 Substitute NSN



Appendix B1  
AIR FORCE EVENT MATRIX  
Unique Data Elements

D	A	C	L	L	L	S	I	S	P	S	P	P	P	P	D	S	A	D	O
O	W	U	L	L	C	S	A	T	P	I	T	C	S	E	C	C	C	C	E
C	A	I	I	I	R	S	I	D	T	V	E	-	S	R	N	L	Q	T	R
U	R	D	L	L	E	E	P	D	C	D	C	D	D	D	D	D	D	D	D
M	D	A	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
E	N	C	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
T	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E

CONTROL  
DATA TYPE

C6 Phased Provisioning Code

C7 PIIM/SPIIN

C18 Provisioning Contract  
Control Number

C14 Reference Number  
Justification Code

C15 Reference Number  
Variation Code

# Appendix B1.1

## AIR FORCE EVENT MATRIX

### Unique Data Elements (Continued)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
D A G L L S I S P S P I N I S D P R C S P P P D S A D O																												
o w u l l c & a t p r t c s e c c e a s i i a e d q u n																												
c a i i i r s i d t v e - s r n l q t a s i o c l i a m d																												
u r d a n e n c e																												
m d a n e n c e																												
n c e																												
t e																												

#### APPLICATION DATA TYPE

A1 Automatic Data Processing Code

A2 Delivery Schedule

A3 Demilitarization Code

A4 Mission Item Essentiality Code

A5 Physical-Security Pilferage Code

A6 Precious Metal Indicator Code

A6 Total Items Changed

A17 Type of Item Code



T24 Substitute NSN

### Unique Data Elements (Continued)

[illegible]

## 135

P1	Exhibit Line Item Number		B	B	B	B	B	B	B
P2	Procurement Control Identifier								
P3	Production Lead Time	BM MB MB	MB	MB	MB	MB	MB	MB	MB
P4	Prorated from ELIN		MB	MB	B	B	B	B	B
P5	Prorated Quantity		MB	MB	B	B	B	B	B
P6	Quantity Procured		MB	MB	B	B	B	B	B
P7	Quantity Shipped		MB	MB	B	B	B	B	B
P8	Requisition Number				B	B			B

D2	Control Data
D6	Long Reference Part Number Code
000000	000000
000001	000001
000002	000002
000003	000003
000004	000004
000005	000005
000006	000006
000007	000007
000008	000008
000009	000009
000010	000010
000011	000011
000012	000012
000013	000013
000014	000014
000015	000015
000016	000016
000017	000017
000018	000018
000019	000019
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000099	000099

## AIR FORCE EVENT MATRIX

### Unique Data Element Conditions

OZD  
 DUE IN  
 AD HERE  
 SDALES  
 DETIVER  
 PACURGO  
 RIO RUD  
 RIO  
 USSR  
 CACITION  
 REF DER  
 BCU  
 DUN  
 SERD  
 ISS  
 NUNED  
 IPE 4  
 AUY CONE  
 SPITD  
 RTD  
 SARA  
 IFS  
 SCULLED  
 LILL  
 LILL  
 CUYGECUE  
 ASLEY  
 DOUGHER

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28

CONTROL	DATA TYPE
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18	18
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85	85
86	86
87	87
88	88
89	89
90	90
91	91
92	92
93	93
94	94
95	95
96	96
97	97
98	98
99	99
100	100

**CS National Stock Number**

**CO Provisioning List Item  
Sequence Number**

**C9 Prior Item PLISM**

### C11 Reference Designation

C12	Reference Designation Code
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
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18	18
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88	88
89	89
90	90
91	91
92	92
93	93
94	94
95	95
96	96
97	97
98	98
99	99
100	100

**CL3 Reference Number**  
**Category Code**

**16 Replaced or Superseding  
PLIN**

**CL7 Same as PL15N**

[illegible][illegible]

## AIR FORCE EVENT MATRIX

## Unique Data Element Conditions (Continued)

[illegible]

**APPLICATION  
DATA TYPE**

**All Program Parts  
Selection List Code**

**All Usable on Code**

ADMINISTRATION	DATA TYPE
1. <u>Administrative</u>	1. <u>Administrative</u>
2. <u>Financial</u>	2. <u>Financial</u>
3. <u>Operational</u>	3. <u>Operational</u>
4. <u>Personnel</u>	4. <u>Personnel</u>
5. <u>Production</u>	5. <u>Production</u>
6. <u>Research and Development</u>	6. <u>Research and Development</u>
7. <u>Security</u>	7. <u>Security</u>
8. <u>Training</u>	8. <u>Training</u>
9. <u>Utilities</u>	9. <u>Utilities</u>
10. <u>Other</u>	10. <u>Other</u>

**D4 Extended Remarks**

D7 Multiple Card Count

DLR Remarks

**D11 Submission Control Code**

四

MB

**MEMO**

**BM**

AIR FORCE EVENT MATRIX  
Similar Data Elements

AP. EVENT MATRIX. SIMILAR

CONTROL DATA TYPE

C2 Indenture  
C4 Next Higher Assembly

APPLICATION DATA TYPE

A4 Drawing Status Code  
A5 Essentiality Code  
A6 Interchangeability Code  
A7 Item Name  
A12 Quantity per Assembly  
A13 Quantity Per End Item  
A14 Serial Number Effectivity-From  
A15 Serial Number Effectivity-To  
A19 Work Unit Code

### Similar Data Elements (Continued)

OZD  
 DUE IN  
 ADVANCE  
 SUPPLIES  
 DELIVER  
 PACKED  
 PLO FOOD  
 PLO  
 USSR  
 CASHION  
 REQ DES  
 PULL  
 DCM  
 SERD  
 ISS  
 ZCIN  
 IPE &  
 RLY CONE  
 SPED  
 PTD  
 SAIP  
 ISS  
 SULEE  
 LILL  
 LILL  
 GUILDCE  
 ASLEP  
 DOCUMENT

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28

T11	Base Condemnation Rate
T13	Depot Condemnation Rate
T15	Failure Factor I
T16	Failure Factor II
T14	Maximum Allowable Operating Time
T19	Shelf Life Code
T20	SMR Code
T25	Total Quantity Recommended

3	SH	MB	MB	MB	B	MB	B	B	MB	B	B
3	SH	MB	MB	MB	MB	MB	B	B	MB	B	B
3	SH	MB	MB	MB	MB	MB	B	B	MB	B	B
3	SH	MB	MB	MB	MB	MB	B	B	MB	B	B
3	SH	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB
3	SH	MB	MB	MB	MB	MB	B	MB	B	B	B
3	SH	MB	MB	MB	MB	MB	B	MB	B	B	B
3	SH	MB	MB	MB	MB	MB	B	MB	B	B	B

**PL0 Unit of Measure -  
Unit of Issue**

**MB MB MB MB MB MB MB MB MB MB MB MB MB MB**

D1	Change Authority Code
D5	FSCM - Prime

MB	MB MB MB MB
MB	MB MB MB MB
MB	MB MB MB MB
MB	MB MB MB MB



Appendix B2.1

AIR FORCE EVENT MATRIX

Major Algorithm Data Elements (Continued)

D	A	G	L	L	S	I	S	P	S	P	I	N	I	S	D	P	R	C	S	P	P	P	D	S	A	D	O	
O	M	U	L	L	C	A	A	T	P	P	T	C	S	E	C	C	E	A	S	I	I	I	A	E	P	Q	U	N
C	A	I	I	I	R	S	I	D	T	V	E	-	S	R	N	L	Q	T	R	O	O	C	C	I	A	M	D	
U	R	D	L	L	E	P																						
M	D	A																										
E	N	C																										
T	E																											

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

TECHNICAL  
DATA TYPE

T28 SRR Code

T25 Total Quantity  
Recommended

ADMINISTRATION  
DATA TYPE

D1 Change Authority Code

MB

MB

BM MB MB

D1 Change Authority Code

MB

MB

BM MB MB

D1 Change Authority Code

MB

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BM MB MB

D1 Change Authority Code

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D1 Change Authority Code



## AIR FORCE EVENT MATRIX

### Minor Algorithm Data Elements

O Z D  
 D J E I E  
 A P H E E S  
 S A E L E S  
 D E I Y E L  
 P E U K E G E  
 P I O P U E  
 P I O  
 S O R  
 U S P E I O  
 K E R D E P  
 P U J  
 D U Z  
 S E R D  
 I U S  
 Z U I N D  
 I P E E S  
 P E Y C O R E  
 S P T D  
 P T D  
 S A I D  
 I E S  
 S U I E E  
 J J I J  
 J J I J  
 U I Y I Q E E U E  
 A S I P  
 D O C U M E N T

[illegible]

## c2 Indenture

**MB MB MB MB MB MB**

## APPLICATION

A4	Drawing Status Code	B	B	B
A5	Essentiality Code	MB	B	MB B B
A6	Interchangeability Code	B	BM MB MB	MB MB MB MB MB MB
A13	Quantity Per End Item	B	BM MB MB	MB MB MB
A14	Serial Number Effectivity-From	B	BM MB MB	MB MB MB MB
A15	Serial Number Effectivity-To	B	BM MB MB	MB MB MB MB
A19	Work Unit Code		BM MB MB	MB MB

# Appendix B2.2

## AIR FORCE EVENT MATRIX

### Minor Algorithm Data Elements (Continued)

D	A	G	L	L	L	S	I	S	P	I	N	I	S	D	P	R	C	S	P	P	D	S	A	D	O	
o	w	u	l	c	s	a	t	p	r	t	c	s	e	c	c	e	a	s	i	i	a	e	p	q	u	n
c	a	i	i	r	s	i	d	p	v	e	-	s	r	n	l	q	a	r	o	o	k	i	r	a	e	d
u	r	d	l	e	n	e	n	c	o	\$	n	d														
m	d	a	n	c	e																					
e	n	c	e																							
t																										

#### TECHNICAL DATA TYPE

T1	Base Condemnation Rate	B	BM	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB
T3	Depot Condemnation Rate	B	BM	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB
T5	Failure Factor I	B	BM	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB
T6	Failure Factor II	B	BM	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB
T14	Maximum Allowable Operating Time	B	BM	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB
T19	Shelf Life Code	B	BM	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB

#### PROCUREMENT DATA TYPE

P18	Unit of Measure - Unit of Issue	BM	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB
-----	---------------------------------	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

#### ADMINISTRATION DATA TYPE

D5	FSCH - Prime	BM	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB
----	--------------	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

Appendix B3  
AF. EVENT MATRIX. COMMON

AIR FORCE EVENT MATRIX

Common Data Elements

D	A	C	L	L	L	S	I	S	P	S	P	I	N	I	S	D	P	R	C	S	S	P	P	P	D	S	A	D	O
O	W	U	L	L	L	C	S	A	T	P	r	t	C	S	E	C	C	C	a	a	S	I	I	a	e	p	q	u	N
C	a	i	I	I	I	r	S	I	D	T	V	e	-	S	R	N	L	q	t	R	O	O	C	I	a	e	D		
u	r	d	L	L	L	e		P	D	C	m	N	D																
m	d	a				n																							
e	n	c																											
n																													
c																													

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

CONTROL  
DATA TYPE

C1 Federal Supply Code  
for Manufacturers

C3 Manufacturers Part Number  
(Direct Conversion)

BM	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB
BM	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	

APPLICATION  
DATA TYPE

NONE

TECHNICAL  
DATA TYPE

NONE

Appendix B3

AIR FORCE EVENT MATRIX

Common Data Elements (Continued)

D	A	C	L	L	L	S	I	S	P	S	P	I	N	I	S	D	P	R	C	S	P	P	P	P	D	S	A	D	O
o	w	u	l	l	l	c	l	a	t	p	r	t	c	s	e	c	c	e	a	s	i	i	a	e	d	e	d	u	n
c	a	i	i	i	r	s	i	p	d	t	v	e	-	s	r	n	l	q	t	r	o	o	c	k	i	r	m	e	d
u	r	d	l	l	e	e	n																						
m	a	n																											
e	n	c																											
n																													
t	e																												
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28		

PROCUREMENT  
DATA TYPE

P0 Quantity Unit Pack  
P11 Unit Price  
(Direct Conversion)

ADMINISTRATION  
DATA TYPE

D3 Date List Submitted  
(Direct Conversion)  
D8 Memorandum  
(Direct Conversion)  
D9 Reference Designation  
Overflow Code  
(Direct Conversion)



Appendix B4

AIR FORCE EVENT MATRIX

Infrequently Used Data Elements (Continued)

TECHNICAL  
DATA TYPE

D A C L L S I S P S P I M I S D P R C S P P P D S A D O  
O W U L L C A T P P r t C S E C C e a S I I a e p q u m  
C a i y I r S I D T V e - S R N L q t R O O C I a m e d  
U r d L L e P D C M N D D l l F a v e a I  
e n c n o s e o u g e s n n  
t c f

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28

T2 Contractor Turn  
Around Time

T6 Initial Supply and-or  
Other Support List

T9 Item Management Code

T10 Maintenance Action Code

T11 Maintenance Task  
Distribution

T17 Overhaul Quantity

T21 Special Handling Code

T22 Special Item Code

T23 Substitute MSAC

T24 Substitute MSN

PROCUREMENT  
DATA TYPE

P2 Procurement Control  
Identifier

P5 Procured Quantity

P9 Requisition Number

PROPOSED AIR FORCE EVENT MATRIX

Including Infrequent Elements\*

CONTROL  
DATA TYPE

	D	A	G	L	L	S	I	S	P	S	P	I	N	I	S	D	P	R	C	S	P	P	P	D	S	A	D	O	B
	O	W	U	L	L	C	L	A	T	P	I	T	C	S	E	C	C	E	A	S	I	I	A	E	P	Q	U	N	U
	C	A	I	I	I	R	S	I	D	T	V	E	-	S	R	N	L	Q	T	R	O	O	C	L	I	A	E	D	Y
	U	R	D	L	L	E	P	D	C	M	N	D																	
	M	D	A	L	L	E	n																						
	e	n	c																										
	t	e																											
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
C1 FSCN	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	
C2 Indenture	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	
C3 Manufacturers Part Number	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	
C4 Next Higher Assembly	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	
C5 National Stock Number	BM	BM	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	
C6* Phased Provisioning Code	BM	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	
C7 PLIN/SPIN	BM	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	
C8 PLIN	BM	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	
C9 Prior Item PLIN	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	
C10 Provisioning Contract Control Number	BM	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	
C11* Reference Designation	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	
C12* Reference Designation Code	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	
C13* Reference Number Category Code	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	
C14 Reference Number Justification Code	B																												
C15* Reference Number Variation Code	B																												
C16 Replaced or Superseding PLIN	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	
C17 Same as PLIN	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	
C18 Type of Change Code	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	

Infrequent Element

\* Infrequent Element

# Appendix C

## PROPOSED AIR FORCE EVENT MATRIX

Including Infrequent Elements\*

### APPLICATION DATA TYPE

D	A	G	L	L	S	I	S	P	S	P	I	N	I	S	D	P	R	C	S	P	P	D	S	A	D	O	B
O	W	U	L	L	C	A	A	T	P	P	T	C	S	E	C	C	E	A	S	I	I	E	D	Q	U	N	U
C	A	I	I	I	R	S	I	D	T	V	E	-	S	R	N	L	Q	T	R	O	O	C	L	A	E	D	Y
U	R	D	L	L	E	P																					
M	D	A																									
E																											
N	C																										
T	E																										

A1\* Automatic Data Processing Code

A2\* Delivery Schedule

A3 Demilitarization Code

A4 Drawing Status Code

A5 Essentiality Code

A6 Interchangeability Code

A7 Item Name

A8\* Mission Item Essentiality Code

A9 Physical-Security Pilferage Code

A10 Precious Metal Indicator Code

A11 Program Parts Selection List Code

A12 Quantity per Assembly

A13 Quantity per End Item

A14 Serial Number Effectivity-From

A15 Serial Number Effectivity-To

A16\* Total Items Changed

A17\* Type of Item Code

A18 Usable on Code

A19 Work Unit Code

\* Infrequent Element



# Appendix C

## PROPOSED AIR FORCE EVENT MATRIX

Including Infrequent Elements\*

### TECHNICAL DATA TYPE

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
T1 Base Condemnation Rate	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB
T2* Contractor Turn Around Time	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB
T3 Depot Condemnation Rate	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB
T4 Document Availability Code	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB
T5 Failure Factor I	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB
T6 Overhaul Replacement (PFII)	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB
T7 Not Repairable This Station (PFIII)	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB
T8* Initial Supply and-or Other Support List	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB
T9* Item Management Code	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB
T10* Maintenance Action Code	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB
T11* Maintenance Task Distribution	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB
T12 Major Organizational Entity	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB
T13 Material Management Aggregation Code	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB

\* Infrequent Element

# Appendix C

## PROPOSED AIR FORCE EVENT MATRIX

Including Infrequent Elements\*

### TECHNICAL DATA TYPE (Continued)

D	A	G	L	L	L	S	I	S	P	S	P	I	N	I	S	D	P	R	C	S	P	P	P	D	S	A	D	O	B
o	w	u	l	l	l	c	a	a	t	p	r	t	c	s	e	c	c	e	a	s	i	i	a	e	d	u	n	u	y
c	a	i	i	i	r	s	i	d	t	v	e	-	s	r	n	l	q	t	r	o	o	c	i	a	e	d	y		
u	r	d	l	l	e	n																							
e	n	c																											
t																													
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	

T14 Maximum Allowable  
Operating Time

T15 Method of Support Code

T16 MOS Modifier Code

T17\* Overhaul Quantity

T18 Primary Inventory  
Control Activity

T19 Shelf Life Code

T20 SMR Code

T21\* Special Handling Code

T22\* Special Item Code

T23\* Substitute MAC

T24\* Substitute NSN

T25 Total Quantity  
Recommended

\* Infrequent Element

# Appendix C

## PROPOSED AIR FORCE EVENT MATRIX

Including Infrequent Elements\*

### PROCUREMENT DATA TYPE

D A G L L S I S P S P I N I S D P R C S S P P D S A D O B  
O W U L L C & A T P r t C S E C C L q t R O I a e p q u N u  
C a i I I r S I D T v e - S R N L q t R O I a e p q u N u  
u r d a e n n o s n f e o t g n e r a g c k  
e n c e n n o s n f e o t g n e r a g c k  
t e n c e n n o s n f e o t g n e r a g c k

P1 Exhibit Line Item Number

P2\* Procurement Control  
Identifier

P3 Production Lead Time

P4 Prorated from ELIN

P5\* Prorated Quantity

P6 Quantity Procured

P7 Quantity Shipped

P8 Quantity Unit Pack

P9\* Requisition Number

P10 Unit of Measure-  
Unit of Issue

P11 Unit Price

\* Infrequent Element

Appendix C  
PROPOSED AIR FORCE EVENT MATRIX  
Including Infrequent Elements

ADMINISTRATION  
DATA TYPE

D	A	G	L	L	L	S	I	S	P	S	P	I	N	I	S	D	C	C	P	R	C	S	P	P	P	P	D	S	A	D	O	B
W	U	U	L	L	L	C	A	A	T	P	P	T	C	S	E	C	C	C	C	R	C	S	S	I	I	I	A	C	D	U	N	U
C	A	I	I	I	I	R	S	I	D	T	V	E	-	S	R	N	L	L	Q	A	S	R	O	O	O	K	I	R	M	I	B	
U	R	D	A	L	L	E	E	P	D	C	O	S	D							D	I	A	F	A	V	E	S	N	N	A	C	
M	D	A				N													E	O												
E	N	C																	T	G												
T		E																														
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29				

D1 Change Authority Code

D2 Control Data

D3 Date List Submitted

D4 Extended Remarks

D5 FSCM - Prime

D6 Long Reference Part  
Number Code

D7 Multiple Card Count

D8 Nomenclature

D9 Reference Designation  
Overflow Code

D10 Remarks

D11 Submission Control Code

PROPOSED AIR FORCE EVENT MATRIX  
Unique Elements of Element Conditions\*

D	A	C	L	L	S	I	S	P	S	P	I	N	I	S	D	P	R	C	S	P	P	P	D	S	A	D	#	B
O	W	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	
C	A	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I		
U	R	D	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L		
E	N	C	E	N	C	E	N	C	E	N	C	E	N	C	E	N	C	E	N	C	E	N	C	E	N	C		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	

CONTROL  
DATA TYPE

C5	National Stock Number	BM	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB
C6*	Phased Provisioning Code	BM	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB
C7	PLIN/SPIN	BM	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB
C8	Provisioning List Item Sequence Number	BM	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB
C9	Prior Item PLIN	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB
C10	Provisioning Contract Control Number	BM	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB
C11*	Reference Designation	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB
C12*	Reference Designation Code	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB
C13*	Reference Number Category Code	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB
C14	Reference Number Justification Code	B																									
C15*	Reference Number Variation Code	B																									
C16	Replaced or Superseding PLIN	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB
C17	Same as PLIN	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB
C18	Type of Change Code	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB

\* Infrequent Element

Appendix C1

PROPOSED AIR FORCE EVENT MATRIX

Unique Elements or Element Conditions (Continued)\*

D	A	C	L	L	S	I	S	P	I	N	I	S	D	P	R	C	S	P	P	D	S	A	D	O	B	
o	w	u	l	l	c	t	a	t	p	t	v	e	-	s	r	n	l	q	a	r	o	c	i	a	e	y
c	a	i	i	r	s	i	d	p	t	v	e	-	s	r	n	l	q	a	r	o	c	i	a	e	y	
u	r	d	l	l	e	p																				

APPLICATION DATA TYPE

A1\* Automatic Data Processing Code

A2\* Delivery Schedule

A3 Demilitarization Code

A8\* Mission Item Essentiality Code

A9 Physical-Security Pilferage Code

A10 Precious Metal Indicator Code

A11 Program Parts Selection List Code

A16\* Total Items Changed

A17\* Type of Item Code

A18 Usable on Code

\* Infrequent Element

# Appendix C1

## PROPOSED AIR FORCE EVENT MATRIX

Unique Elements or Element Conditions (Continued)\*

D	A	G	L	L	S	I	S	P	S	P	I	N	I	S	D	P	R	C	S	P	P	D	S	A	D	O	B	
O	W	L	L	C	A	T	P	I	C	S	E	C	C	C	E	A	S	I	O	C	I	A	P	Q	U	N	U	
C	A	I	I	I	S	I	D	T	V	E	-	S	R	N	L	Q	T	R	O	P	O	C	I	A	E	D	Y	
U	r	d	L	L	e	n		C	S		D																	
m	d	a																										
e	n	c																										
t	e																											
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29

### TECHNICAL DATA TYPE

T2\* Contractor Turn Around Time

T4 Document Availability Code

T7 Failure Factor III

T8\* Initial Supply and-or Other Support List

T9 Item Management Code

T10\* Maintenance Action Code

T11\* Maintenance Task Distribution

T12 Major Organizational Entity

T13 MMAC

T15 Method of Support Code

T16 MOS Modifier Code

T17\* Overhaul Quantity

T18 PICA

T21\* Special Handling Code

T22\* Special Item Code

T23\* Substitute MMAC

T24\* Substitute NSN

\* Infrequent Element

Appendix C1

PROPOSED AIR FORCE EVENT MATRIX

Unique Elements or Element Conditions (Continued)\*

D A G L L S I S P S P I N I S D P R C S P P P D S A D O B  
 O W L L C A A T P T C S E C C e e S I I a e D Q U N U  
 C a i I I r S I D T V e - S R N L q e t R O O c l i a M e D Y  
 u r d a L L e n n o s n f u g e s n n a c  
 e n c e 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29  
 n t e

PROCUREMENT  
DATA TYPE

- P1 Exhibit Line Item Number
- P2\* Procurement Control Identifier
- P3 Production Lead Time
- P4 Prorated from ELIN
- P5\* Prorated Quantity
- P6 Quantity Procured
- P7 Quantity Shipped
- P9\* Requisition Number

ADMINISTRATION  
DATA TYPE

- D2 Control Data
- D4 Extended Remarks
- D6 Long Reference Part Number Code
- D7 Multiple Card Count
- D8 Remarks
- D11 Submission Control Code

\* Infrequent Element



# Appendix C1.1

## MATRIX UNIQUE PROP ONE

### PROPOSED AIR FORCE EVENT MATRIX

#### Unique Data Elements\*

D	A	C	L	L	L	S	I	S	P	I	N	I	S	D	P	R	C	S	P	P	P	D	S	A	D	O	B	
O	W	L	L	C	A	A	T	P	I	C	S	E	R	N	L	Q	C	S	I	I	A	E	P	Q	U	N	U	
C	A	I	I	I	S	I	D	T	V	E	-	S	R	N	L	Q	C	S	I	I	A	E	P	Q	U	N	U	
U	I	d	L	L	L	e	n																					
M	d	a	n																									
e	n																											
n																												
t																												
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29

#### CONTROL DATA TYPE

C6\* Phased Provisioning Code

C7 PIIN/SPIIN

C18 PCCN

C14 Reference Number Justification Code

C15\* Reference Number Variation Code

#### APPLICATION DATA TYPE

A1\* Automatic Data Processing Code

A2\* Delivery Schedule

A3 Demilitarization Code

A8\* Mission Item Essentiality Code

A9 Physical-Security Pilferage Code

A10 Precious Metal Indicator Code

A16\* Total Items Changed

A17\* Type of Item Code

\* Infrequent Element

# Appendix C1.1

## PROPOSED AIR FORCE EVENT MATRIX

### Unique Data Elements (Continued)\*

D A G L L S I S P S P I N I S D P R C S S P P P D S A D O B  
 o m u l l c e a t p r t c s e c c e a s i i a e d q u n u  
 c a i i i r s i d t v e - s s r n l q t r o o c i a e d y  
 u r d l l e n e n c o s c o o l i f a v e r a i b  
 n c e n f n g e o e r n n a c  
 t e f n g e o e r n n a c

#### TECHNICAL DATA TYPE

T2\* Contractor Turn Around Time

T4 Document Availability Code

T7 Failure Factor III

T8\* Initial Supply and/or  
Other Support List

T9 Item Management Code

T18\* Maintenance Action Code

T11\* Maintenance Task Distribution

T12 Major Organizational Entity

T13 MWAC

T15 Method of Support Code

T16 MOS Modifier Code

T17\* Overhaul Quantity

T18 PICA

T21\* Special Handling Code

T22\* Special Item Code

T23\* Substitute MWAC

T24\* Substitute NSN

\* Infrequent Element

# Appendix C1.1

## PROPOSED AIR FORCE EVENT MATRIX

### Unique Data Elements (Continued)\*

D	A	C	L	L	L	S	I	S	P	I	N	I	S	D	P	R	C	S	P	P	P	D	S	A	D	O	B		
o	M	u	L	L	L	C	C	A	T	P	T	C	S	E	C	C	C	S	I	I	I	A	e	p	q	u	N	u	
C	a	i	i	i	i	r	S	I	D	T	v	e	-	S	R	N	L	q	t	R	O	C	k	i	r	M	e	D	y
u	r	d	a	e	n				P	D	C	M	N	D			a				F	a	v	e	a	I	B		
m	d	a	e	n							C	O	S			D	I				u	g	e	s	n	n	A		
e	n	c														t	g				n	e	r	a		C			
t	e																									K			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	

## PROCUREMENT DATA TYPE

- P1 Exhibit Line Item Number
- P2\* Procurement Control Identifier
- P3 Production Lead Time
- P4 Prorated from ELIN
- P5\* Prorated Quantity
- P6 Quantity Procured
- P7 Quantity Shipped
- P9\* Requisition Number

## ADMINISTRATION DATA TYPE

- D2 Control Data
- D6 Long Reference Part Number Code

\* Infrequent Element

MATRIX. UNIQUE. PROP. TWO

Appendix C1.2

PROPOSED AIR FORCE EVENT MATRIX

Unique Data Element Conditions\*

D	A	G	L	L	S	I	S	P	S	P	I	N	I	S	D	P	R	C	S	P	P	P	D	S	A	D	O	B
O	M	U	L	L	C	A	T	P	I	C	S	E	C	C	C	C	C	C	S	I	I	A	E	P	Q	U	N	U
C	A	I	I	I	S	I	D	T	V	E	-	S	R	N	D				R	O	O	C	L	A	M	E	D	Y
U	R	D	L	L	E	P																						
M	D	A																										
E																												
N																												
T																												
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29

CUSTOM  
DATA TYPE

- C3 National Stock Number
- C8 Provisioning List Item Sequence Number
- C9 Prior Item PLISH
- C11\* Reference Designation
- C12\* Reference Designation Code
- C13\* Reference Number Category Code
- C16 Replaced or Superseding PLISH
- C17 Same as PLISH
- C18 Type of Change Code

\* Infrequent Element

### Unique Data Element Conditions

[illegible]

APPLICATION	DATA TYPE

### All Program Parts Selection List Code

**014 Usable on Code**

162

**ADMINISTRATION  
DATA TYPE**

D4 Extended Remarks

**D7 Multiple Card Count**

D10 Remarks

**Oil Submission Control Code**

92

**MB****HB**

**818**

## PROPOSED AIR FORCE EVENT MATRIX

### Similar Date Elements

[illegible]

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29

**CONTROL**

DATA TYPE

**C2 Indenture**

**C4 Next Higher Assembly**

[illegible]

**BM BM BM BM BM BM BM BM BM**

APPLICATION	DATA TYPE

**44 Drawing Status Code**

**AS Essentiality Code****M6 Interchangeability Code**

**Item Name**

**A12 Quantity per Assembly**

AL3	Quantity	Per	End Item
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9
10	10	10	10
11	11	11	11
12	12	12	12
13	13	13	13
14	14	14	14
15	15	15	15
16	16	16	16
17	17	17	17
18	18	18	18
19	19	19	19
20	20	20	20
21	21	21	21
22	22	22	22
23	23	23	23
24	24	24	24
25	25	25	25
26	26	26	26
27	27	27	27
28	28	28	28
29	29	29	29
30	30	30	30
31	31	31	31
32	32	32	32
33	33	33	33
34	34	34	34
35	35	35	35
36	36	36	36
37	37	37	37
38	38	38	38
39	39	39	39
40	40	40	40
41	41	41	41
42	42	42	42
43	43	43	43
44	44	44	44
45	45	45	45
46	46	46	46
47	47	47	47
48	48	48	48
49	49	49	49
50	50	50	50
51	51	51	51
52	52	52	52
53	53	53	53
54	54	54	54
55	55	55	55
56	56	56	56
57	57	57	57
58	58	58	58
59	59	59	59
60	60	60	60
61	61	61	61
62	62	62	62
63	63	63	63
64	64	64	64
65	65	65	65
66	66	66	66
67	67	67	67
68	68	68	68
69	69	69	69
70	70	70	70
71	71	71	71
72	72	72	72
73	73	73	73
74	74	74	74
75	75	75	75
76	76	76	76
77	77	77	77
78	78	78	78
79	79	79	79
80	80	80	80
81	81	81	81
82	82	82	82
83	83	83	83
84	84	84	84
85	85	85	85
86	86	86	86
87	87	87	87
88	88	88	88
89	89	89	89
90	90	90	90
91	91	91	91
92	92	92	92
93	93	93	93
94	94	94	94
95	95	95	95
96	96	96	96
97	97	97	97
98	98	98	98
99	99	99	99
100	100	100	100

**AL4 Serial Number Effectivity-From**

### **A15 Serial Number Effectivity-To**

**W19 Work Unit Code**[illegible]

# Appendix C2

## PROPOSED AIR FORCE EVENT MATRIX

### Similar Data Elements

D	A	G	L	L	L	S	I	S	P	S	P	P	I	N	I	S	D	P	R	C	S	P	P	P	D	S	A	D	O	B
O	W	L	L	C	L	A	T	P	T	C	S	E	C	C	E	A	S	I	O	C	I	A	C	P	Q	U	N	U		Y
C	A	I	I	F	I	R	S	I	D	T	V	E	-	S	R	N	L	Q	T	R	O	F	A	V	E	A	I	B	A	C
U	R	D	L	L	E	P	D	C	M	N	D							E	O			U	G	E	S	N	N	A	C	
N	C								N	F								T	G			N	E	R	A	G			K	
T	E																													
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29		

### TECHNICAL DATA TYPE

T1	Base Condemnation Rate	MB	MB																										
T3	Depot Condemnation Rate	MB	MB																										
T5	Failure Factor I	MB	MB																										
T6	Failure Factor II	MB	MB																										
T14	Maximum Allowable Operating Time	MB	MB																										
T19	Shelf Life Code	MB	MB																										
T28	SNR Code	MB	MB																										
T25	Total Quantity Recommended	MB	MB																										

### PROCUREMENT DATA TYPE

P18	Unit of Measure - Unit of Issue	MB	MB																										
-----	---------------------------------	----	----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

### ADMINISTRATION DATA TYPE

D1	Change Authority Code	MB																											
D5	FSCM - Prime	MB	MB																										

MB

### PROPOSED AIR FORCE EVENT MATRIX

## Major Algorithm Data Elements

1	DOCCUMENTS	2	AWARD	3	CUSTOMER	4	ALLIANCE	5	ALLIANCE	6	ALLIANCE	7	ALLIANCE	8	SALES	9	SALES	10	SALES	11	SALES	12	SALES	13	SALES	14	SALES	15	SALES	16	SALES	17	SALES	18	SALES	19	SALES	20	SALES	21	SALES	22	SALES	23	SALES	24	SALES	25	SALES	26	SALES	27	SALES	28	SALES	29	SALES
---	------------	---	-------	---	----------	---	----------	---	----------	---	----------	---	----------	---	-------	---	-------	----	-------	----	-------	----	-------	----	-------	----	-------	----	-------	----	-------	----	-------	----	-------	----	-------	----	-------	----	-------	----	-------	----	-------	----	-------	----	-------	----	-------	----	-------	----	-------	----	-------

CONTROL	DATA TYPE
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18	18
19	19
20	20
21	21
22	22
23	23
24	24
25	25
26	26
27	27
28	28
29	29
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31	31
32	32
33	33
34	34
35	35
36	36
37	37
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43	43
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45	45
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47	47
48	48
49	49
50	50
51	51
52	52
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62	62
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66	66
67	67
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80	80
81	81
82	82
83	83
84	84
85	85
86	86
87	87
88	88
89	89
90	90
91	91
92	92
93	93
94	94
95	95
96	96
97	97
98	98
99	99
100	100

**cc4 Next Higher Assembly**

[illegible]

A7	Item Name

**A12 Quantity per Assembly**

**MB**      **GB**      **SB**      **AB**      **MB**      **GB**      **SB**      **AB**

**BM BM BM**

**BM**

**BM**

**BM BM**

814

82

84

**MR**

**MD**

48

**PM**

3

\_\_\_\_\_



# Appendix C2.1

## PROPOSED AIR FORCE EVENT MATRIX

### Major Algorithm Data Elements

D A C L L L S I S P I N I S D P R C S P P D S A D O B	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
o w i j i r s i d t p r t c s s e c c e a s s i i a e p q u n u																													
u r d a n n c e																													
t																													

TECHNICAL  
DATA TYPE

T20 SHR Code

T25 Total Quantity  
Recommended

ADMINISTRATION  
DATA TYPE

D1 Change Authority Code

MB MB

MB

MB

BM

# Appendix C2.2

## MIN. ALG. DATA. ELEM. PROP. TWO

## PROPOSED AIR FORCE EVENT MATRIX

### Minor Algorithm Data Elements

D	A	G	L	L	S	I	S	P	S	P	I	N	I	S	D	P	R	C	S	P	P	P	D	S	A	D	O	B	
O	M	U	L	L	C	A	A	T	P	r	t	C	S	E	C	C	C	e	a	S	I	I	a	e	D	q	U	N	U
C	a	i	I	I	r	S	I	D	T	v	e	-	S	R	N	L	q	t	R	O	O	c	i	a	e	D	y		
U	r	d	L	L	e			P	D	C	m	N	D					a											
M	d	a			n																								
e	n	c																											
t	e																												
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	

CONTROL  
DATA TYPE

C2 Indenture

### APPLICATION

A4 Drawing Status Code

A5 Essentiality Code

A6 Interchangeability Code

A13 Quantity Per End Item

A14 Serial Number Effectivity-From

A15 Serial Number Effectivity-To

A19 Work Unit Code

### Minor Algorithm Data Elements

[illegible]

PROPOSED AIR FORCE EVENT MATRIX

Common Data Elements

D	A	G	L	L	L	S	I	S	P	I	N	I	S	D	P	R	C	S	P	P	P	P	D	S	A	D	O	B
o	w	u	i	i	r	s	i	p	t	c	s	e	c	c	a	s	i	a	e	p	q	u	n	u				
c	a	r	d	e	n																							
m	e	n																										
n	c																											
t																												
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29

CONTROL DATA TYPE

C1 Federal Supply Code for Manufacturers

C3 Manufacturers Part Number (Direct Conversion)

PROCUREMENT DATA TYPE

P8 Quantity Unit Pack

P11 Unit Price (Direct Conversion)

ADMINISTRATION DATA TYPE

D3 Date List Submitted (Direct Conversion)

D8 Nomenclature (Direct Conversion)

D9 Reference Designation Overflow Code

AP. EVENT MATRIX. PROP. EXINER

Appendix D

PROPOSED AIR FORCE EVENT MATRIX

Excluding Infrequent Elements

CONTROL  
DATA TYPE

	D	A	G	L	L	S	I	S	P	S	P	I	N	I	S	D	P	R	C	S	S	P	P	P	D	S	A	D	O	B		
	o	w	u	L	L	C	A	T	P	r	t	C	S	E	C	C	L	Q	a	S	I	O	C	I	I	a	e	p	q	u	M	U
	c	a	i	I	I	r	S	I	D	T	V	e	-	S	R	N	D															
	u	r	d	L	L	e																										
	m	a	n		n																											
	e	n	c																													
	t	e																														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29			
C1				MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB		
C2				MB	MB			MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	
C3				MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	
C4				MB	MB			MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	
C5						BM	BM	MB	MB	MB	MB							B													MB	
C7			BM	MB	MB			MB	MB	MB	MB					MB															MB	
C8			BM	MB	MB			MB	MB	MB	MB	MB	MB	MB	MB	MB				MB	MB	MB									MB	
C9				MB	MB			MB	MB	MB	MB	MB	MB	MB	MB	MB					MB	MB									MB	
C10			BM	MB	MB			MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB			MB	MB									MB	
C14						B												B														
C16				MB	MB			MB	MB	MB	MB	MB	MB	MB	MB	MB				MB	MB										MB	
C17				MB	MB			MB	MB	MB	MB	MB	MB	MB	MB	MB					MB	MB									MB	
C18				MB	MB			MB	MB	MB	MB	MB	MB	MB	MB	MB					MB	MB									MB	

# Appendix D

## PROPOSED AIR FORCE EVENT MATRIX

Excluding Infrequent Elements (Continued)

### APPLICATION DATA TYPE

	D	A	G	L	L	S	I	S	P	P	I	N	I	S	D	P	R	C	S	P	P	P	D	S	A	D	O	B	
	o	w	u	i	i	r	e	-	S	R	D																		
	c	a	i	r	e	n																							
	u	r	d	a	e																								
	m	e	n	c	e																								
	n	t																											
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
A3 Demilitarization Code											B								B	B									
A4 Drawing Status Code											B	B																	
A5 Essentiality Code																													
A6 Interchangeability Code																													
A7 Item Name																													
A9 Physical-Security Pillferage Code																													
A10 Precious Metal Indicator Code																													
A11 Program Parts Selection List Code																													
A12 Quantity per Assembly																													
A13 Quantity Per End Item																													
A14 Serial Number Effectivity-From																													
A15 Serial Number Effectivity-To																													
A16 Usable on Code																													
A19 Work Unit Code																													

Appendix D

PROPOSED AIR FORCE EVENT MATRIX

Excluding Infrequent Elements (Continued)

TECHNICAL  
DATA TYPE

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
T1 Base Condemnation Rate	MB MB								MB MB								MB MB												
T3 Depot Condemnation Rate	MB MB								MB MB								MB MB												
T4 Document Availability Code																													
T5 Failure Factor 1									MB MB								MB MB												
T6 Overhaul Replacement (PFII)									MB MB								MB MB												
T7 Not Repairable This Station (PFIII)									MB MB								MB MB												
T9 Item Management Code																													
T12 Major Organizational Entity																													
T13 Material Management Aggregation Code																													
T14 Maximum Allowable Operating Time									MB MB								MB MB MB												
T15 Method of Support Code																													
T16 MOS Modifier Code																													
T18 Primary Inventory Control Activity																													
T19 Shelf Life Code									MB MB								MB MB												
T20 SNR Code									MB MB								MB MB												
T25 Total Quantity Recommended									MB MB																				

BM

**Excluding Infrequent Elements (Continued)**

1	Document	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	
	D	A	C	L	L	L	S	I	S	P	I	N	I	S	D	C	P	P	C	S	P	P	I	P	D	S	A	D	O	
	O	W	U	L	L	L	C	A	A	T	C	C	S	S	R	C	C	C	C	R	I	O	I	I	S	A	D	O	B	
	C	I	I	I	I	I	I	I	I	T	T	-	S	S	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	
	R	E	R	E	E	E	E	E	E	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	
	D	A	C	L	L	L	S	I	S	P	I	N	I	S	D	C	P	P	C	C	S	P	P	I	P	D	S	A	D	O
	O	W	U	L	L	L	C	A	A	T	T	-	S	S	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	
	C	I	I	I	I	I	I	I	I	T	T	-	S	S	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	
	R	E	R	E	E	E	E	E	E	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	
	D	A	C	L	L	L	S	I	S	P	I	N	I	S	D	C	P	P	C	C	S	P	P	I	P	D	S	A	D	O
	O	W	U	L	L	L	C	A	A	T	T	-	S	S	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	
	C	I	I	I	I	I	I	I	I	T	T	-	S	S	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	
	R	E	R	E	E	E	E	E	E	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	
	D	A	C	L	L	L	S	I	S	P	I	N	I	S	D	C	P	P	C	C	S	P	P	I	P	D	S	A	D	O
	O	W	U	L	L	L	C	A	A	T	T	-	S	S	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	
	C	I	I	I	I	I	I	I	I	T	T	-	S	S	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	
	R	E	R	E	E	E	E	E	E	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	
	D	A	C	L	L	L	S	I	S	P	I	N	I	S	D	C	P	P	C	C	S	P	P	I	P	D	S	A	D	O
	O	W	U	L	L	L	C	A	A	T	T	-	S	S	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	
	C	I	I	I	I	I	I	I	I	T	T	-	S	S	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	
	R	E	R	E	E	E	E	E	E	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	
	D	A	C	L	L	L	S	I	S	P	I	N	I	S	D															

**all unit price**

[illegible]



### Excluding Infrequent Elements

[illegible]

BIB

## Appendix E

### NEW APPROACH TO AIR FORCE PROVISIONING BRIEFING

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NEW APPROACH TO AIR FORCE PROVISIONING BRIEFING

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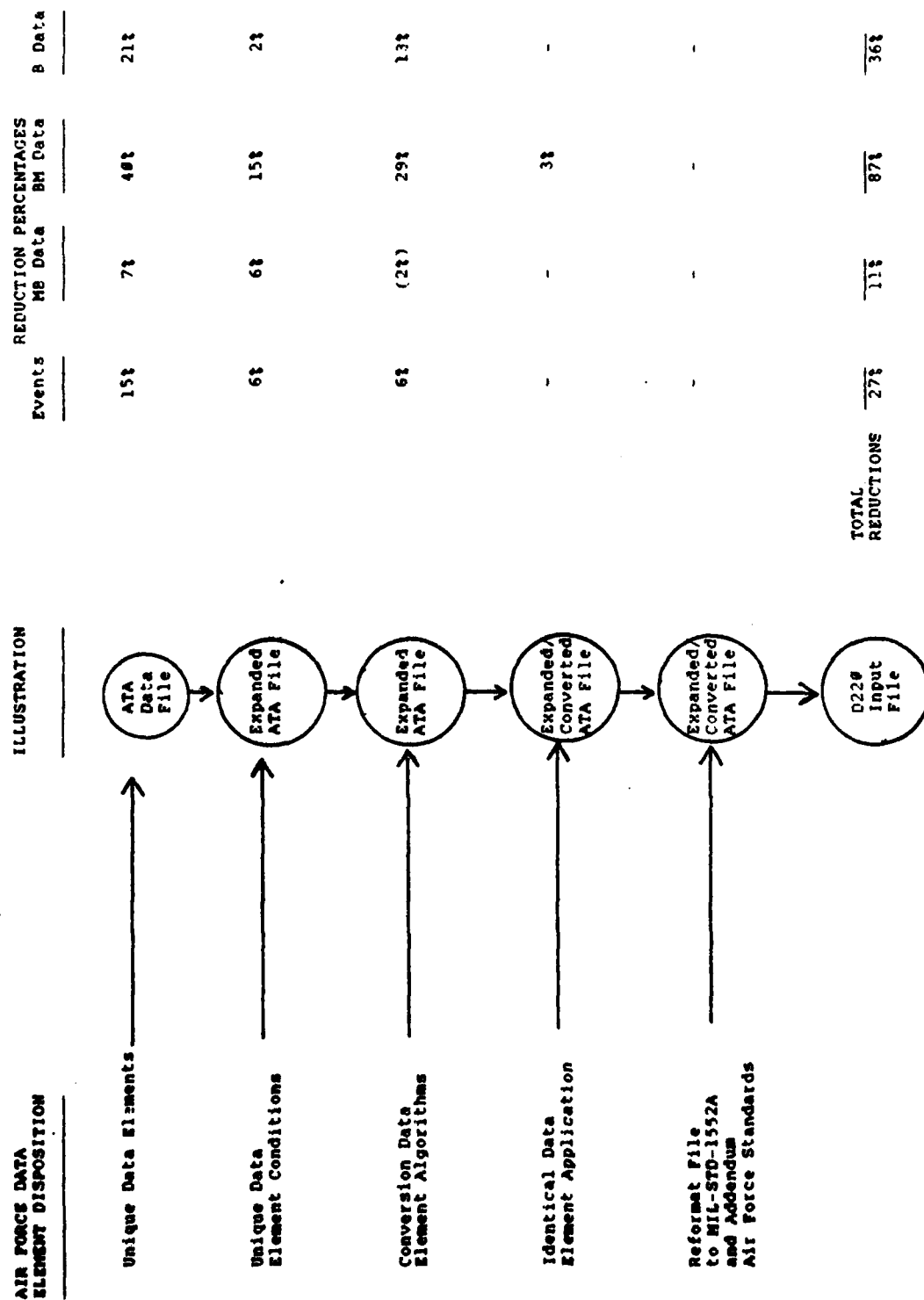
**SECTION I**  
**BRIEFING REVIEW**

**1. RESULTS**

- a. The New Approach to Air Force Provisioning Study focused on the applicability of commercial provisioning to the cost effective provisioning of Air Force end items other than major system acquisitions and modifications.
- b. The first study phase defined the correlation and/or difference between the Air Force and the Commercial provisioning methodologies.
- c. Nearly one-third of the Air force provisioning events and one-half of the applicable provisioning data was identified to be unique to Air Force provisioning.
- d. Internal buyer data and buyer produced manufacturer data requirements were determined to have a significant impact on the complexity of Air Force provisioning.
- e. Commercial provisioning data standardized according to ATA specifications virtually eliminated buyer data requirements in the commercial provisioning cycle.
- f. The decision-tree analysis performed in the second study phase revealed that unique Air Force provisioning requirements could largely be accommodated through the application of commercially available ATA data.
- g. Nearly 50 percent of the Air Force MIL-STD-1552A and the Addendum data requirements were identified to be currently available from algorithmically converted ATA data.

- h. Analysis verified that unique Air Force data provisioning requirements would be completely satisfied through the addition of eight data elements to the ATA system.
- i. The majority of the data elements unique to Air Force provisioning were determined to be virtually unused in the current Air Force provisioning cycle.
- j. The deletion of infrequently applied data elements from the D220 Air Force provisioning system was analytically projected to improve Air Force provisioning efficiency.
- k. The retention of unique D220 data exclusively used for purposes of internal management and control was revealed to have minimal impact on Air Force provisioning efficiency.
- l. The application of commercially available ATA provisioning data, including the addition of the commercial buy-back provisioning event, to the Air Force provisioning cycle was identified as the most cost effective method of provisioning end items.
- m. The decision-tree benefit analysis revealed that ATA data would significantly reduce internal Air Force management and control and virtually eliminate data requirements from the Air Force to the manufacturer.
- n. The analysis indicated that Air Force provisioning event data would be reduced, even with the addition of the recommended buy-back event, by over 25 percent.

Figure 1  
ATA BENEFIT ANALYSIS



**SECTION II**  
**BRIEFING RECOMMENDATIONS**

1.     **ATA Provisioning Data**
  - a.     Purchase Available Commercial provisioning data standardized according to ATA Specification 200 for Air Force end item provisioning.
2.     **Data Element Compatibility - Identical**
  - a.     Extract ATA data identical to Air Force data for eventual D220 system input.
3.     **Data Element Compatibility - Conversion**
  - a.     Develop automated ATA data reduction algorithms for data transformation according to MIL-STD-1552A and Addendum standards.
4.     **Data Element Compatibility - Unique Condition**
  - a.     Extract ATA data identical to Air Force data with the exception of unique Air Force conditions to investigate its potential for D220 input.
  - b.     Work with the Air Transport Association to expand Specification 200 to include the additional required Air Force element conditions.
5.     **Data Element Compatibility - Unique**
  - a.     Work with ATA to expand Specification 200 to include the eight data elements unique to Air Force provisioning.
6.     **Data Element Compatibility - Unused Unique**
  - a.     Delete unused Air Force provisioning data elements from D220 system processing logic.

7. MIL-STD-1552A and Addendum Format

- a. Integrate compatible data from ATA and format according to current D220 system standards MIL-STD-1552A and the Air Force Addendum. This will support the application of ATA data to Air Force provisioning without modification of the D220 Provisioning system.

8. Requirements Determination

- a. Perform requirements determination based largely on manufacturer provided data. Investigate the viability of manufacturer buy-back provisions in this provisioning mode.



**SECTION III**  
**BRIEFING DATA PRESENTATION**

Briefing Table :  
AIR FORCE/ATA DATA COMPATIBILITY  
Study Revision Summary

NUMBER	AIR FORCE ELEMENT	INITIAL PHASE	FINAL PHASE
C4	Next Higher Assembly PLISN	Common	Major Algorithm
C13	Reference Number Category Code	Common	Unique Condition, Minor Algorithm
A11	Program Parts Selection List Code	Similar	Unique Condition
A1:	Quantity Per Assembly	Common	Major Algorithm
A13	Quantity Per End Item	Common	Minor Algorithm
T25	Total Quantity Recommended	Common	Major Algorithm
P18	Unit of Measure- Unit of Issue	Common	Minor Algorithm, Identical Element
D1	Change Authority No.	Common	Major Algorithm
D3	Date List Submitted	Similar	Direct Conversion
D4	Extended Remarks	Common	Unique Condition
D5	FSCM-Prime	Common	Minor Algorithm
D6	Long Reference Part Number Code	Similar	Unique Element
D18	Reference Designation Overflow Code	Similar	Direct Conversion
D11	Remarks	Common	Unique Condition
D12	Submission Control Code	Common	Unique Condition

Briefing Table 1-A  
 AIR FORCE/ATA DATA COMPATIBILITY  
 Control Data Refinement\*

NUMBER	AIR FORCE ELEMENT	INITIAL PHASE	FINAL PHASE
C1	FSCN	Common	Identical Element
C2	Indenture	Similar	Minor Algorithm
C3	Manufacturers Part Number	Common	Direct Conversion
C4	Next Higher Assembly PLISN	Common	Major Algorithm
C5	National Stock Number	Similar	Unique Condition, Major Algorithm
C6	Phased Provisioning Code	Unique	Unique Element
C7	PIIN-SPIIN	Unique	Unique Element
C8	PLISN	Similar	Unique Condition, Major Algorithm
C9	Prior Item PLISN	Similar	Unique Condition, Major Algorithm
C10	PCCN	Unique	Unique Element
C11	Reference Designation	Similar	Unique Condition, Minor Algorithm
C12	Reference Designation Code	Similar	Unique Condition, Minor Algorithm
C13	Reference Number Category Code	Common	Unique Condition, Minor Algorithm
C14	Reference Number Justification Code	Unique	Unique Element
C15	Reference Number Variation Code	Unique	Unique Element
C16	Replaced or Superseded PLISN	Similar	Unique Condition, Major Algorithm
C17	Same as PLISN	Similar	Unique Condition, Major Algorithm
C18	Type of Change Code	Similar	Unique Condition

\* Underline Denotes Initial/Final Phase Revision

Briefing Table 1-8  
AIR FORCE/ATA DATA COMPATIBILITY  
Application Data Refinement\*

NUMBER	AIR FORCE ELEMENT	INITIAL PHASE	FINAL PHASE
A1	Automatic Data Processing Code	Unique	Unique Element
A2	Delivery Schedule	Unique	Unique Element
A3	Demilitarization Code	Unique	Unique Element
A4	Drawing Status Code	Similar	Minor Algorithm
A5	Essentiality Code	Similar	Unique Condition, Minor Algorithm
A6	Interchangeability Code	Similar	Minor Algorithm
A7	Item Name	Similar	Major Algorithm
A8	Mission Item Essentiality Code	Unique	Unique Element
A9	Physical Security - Pilferage Code	Unique	Unique Element
A10	Precious Metal Indicator Code	Unique	Unique Element
A11	Program Parts Selection List Code	Similar	Unique Condition
A12	Quantity Per Assembly	Common	Major Algorithm
A13	Quantity Per End Item	Common	Minor Algorithm
A14	Serial Number Effectivity - From	Similar	Minor Algorithm
A15	Serial Number Effectivity - To	Similar	Minor Algorithm
A16	Total Items Changed	Unique	Unique Element
A17	Type of Item Code	Unique	Unique Element
A18	Usable on Code	Similar	Unique Condition, Major Algorithm
A19	Work Unit Code	Similar	Minor Algorithm

\* Underline Denotes Initial/Final Phase Revision

Briefing Table 1-C  
 AIR FORCE/ATA DATA COMPATIBILITY  
 Technical Data Refinement\*

NUMBER	AIR FORCE ELEMENT	INITIAL PHASE	FINAL PHASE
T1	Base Condemnation Rate	Similar	Minor Algorithm
T2	Contractor Turn Around Time	Unique	Unique Element
T3	Depot Condemnation Rate	Similar	Minor Algorithm
T4	Documentation Availability Code	Unique	Unique Element
T5	Failure Factor I	Similar	Minor Algorithm
T6	Overhaul Replacement (PFII)	Similar	Minor Algorithm
T7	Not Repairable This Station (PFIII)	Unique	Unique Element
T8	Initial Supply and/or Other Support List	Unique	Unique Element
T9	Item Management Code	Unique	Unique Element
T10	Maintenance Action Code	Unique	Unique Element
T11	Maintenance Task Distribution	Unique	Unique Element
T12	Major Organizational Entity Rule	Unique	Unique Element

Briefing Table 1-C

AIR FORCE/ATA DATA COMPATIBILITY

Technical Data Refinement\* (Continued)

NUMBER	AIR FORCE ELEMENT	INITIAL PHASE	FINAL PHASE
T13	Material Management Aggregation Code	Unique	Unique Element
T14	Maximum Allowable Operating Time	Similar	Minor Algorithm
T15	Method of Support Code	Unique	Unique Element
T16	MOS Modifier Code	Unique	Unique Element
T17	Overhaul Quantity	Unique	Unique Element
T18	Primary Inventory Control Activity	Unique	Unique Element
T19	Shelf Life Code	Similar	Minor Algorithm
T20	SSR Code	Similar	Major Algorithm, Minor Algorithm
T21	Special Handling Code	Unique	Unique Element
T22	Special Item Code	Unique	Unique Element
T23	Substitute RSMC	Unique	Unique Element
T24	Substitute NSM	Unique	Unique Element
T25	Total Quantity Recommended	Common	Major Algorithm

Briefing Table 1-D  
 AIR FORCE/ATA DATA COMPATIBILITY  
 Procurement Data Refinement\*

NUMBER	AIR FORCE ELEMENT	INITIAL PHASE	FINAL PHASE
P1	Exhibit Line Item Number	Unique	Unique Element
P2	Procurement Control Identifier	Unique	Unique Element
P3	Production Lead Time	Unique	Unique Element
P4	Prorated From ELIN	Unique	Unique Element
P5	Prorated Quantity	Unique	Unique Element
P6	Quantity Procured	Unique	Unique Element
P7	Quantity Shipped	Unique	Unique Element
P8	Quantity Unit Pack	Common	Identical Element
P9	Requisition Number	Unique	Unique Element
P10	Unit of Measure- Unit of Issue	Common	Minor Algorithm, Identical Element
P11	Unit Price	Common	Direct Conversion

\* Underline Denotes Initial/Final Phase Revision

Briefing Table 1-E  
 AIR FORCE/ATA DATA COMPATIBILITY  
 Administration Data Refinement\*

NUMBER	AIR FORCE ELEMENT	INITIAL PHASE	FINAL PHASE
B1	Change Authority No.	Common	Major Algorithm
B2	Control Data	Unique	Unique Element
B3	Date List Submitted	Similar	Direct Conversion
B4	Extended Remarks	Common	Unique Condition
B5	FSCH-Prime	Common	Minor Algorithm
B6	Long Reference Part Number Code	Similar	Unique Element
B7	Multiple Card Count	Similar	Unique Condition
B8	Nomenclature	Similar	Unique Condition. Direct Conversion
B9	Reference Designation Overflow Code	Similar	Direct Conversion
B10	Remarks	Common	Unique Condition
B11	Submission Control Code	Common	Unique Condition

\* Underline Denotes Initial/Final Phase Revision



Briefing Table 2  
AIR FORCE EVENT MATRIX COMPATIBILITY  
Summary

Event Number	Event Name	UNIQUE ELEMENTS		SIMILAR ELEMENTS		COMMON ELEMENTS	
		Total Data Elements	Unique Element	Unique Condition	Major Algorithm	Minor Algorithm	Direct Conversion Identical Elements
01	Documentation Requirements	21	4	2	4	11	-
02	Contract Award	2	2	-	-	-	-
03	Guidance Conference	54	14	12	6	15	2
04	Interim LLIL	57	15	14	6	15	2
05	Recommended LLIL	57	15	14	6	15	2
06	Screening	9	2	4	1	-	1
07	IAS	8	-	5	1	-	1
08	SAIP	6	1	1	-	1	2
09	Provisioning Technical Documentation	56	14	15	5	15	2
10	SPTD	15	2	8	1	1	1
11	Provisioning Conference	58	22	11	5	15	2
12	Item Cost-Price Review	5	-	1	1	-	1
13	MC-ND Number	8	-	4	2	-	1
14	Initial Spares Support	24	6	6	2	7	1

Briefing Table 2

## AIR FORCE EVENT MATRIX COMPATIBILITY

Summary (Continued)

Event Number	Event Name	UNIQUE ELEMENTS			SIMILAR ELEMENTS		COMMON ELEMENTS	
		Total Data Elements	Unique Element	Unique Condition	Major Algorithm	Minor Algorithm	Direct Conversion	Identical Elements
15	SERO	2	-	-	-	-	1	1
16	Design Change Notice	56	16	14	5	15	5	1
17	Post Conference List	37	18	2	3	12	1	1
18	Requirements Determination	44	23	2	3	12	2	2
19	Cataloging	23	11	4	2	3	1	2
20	Supply Support Request	15	6	5	1	1	1	1
21	Provisioned Item Order	25	13	5	1	2	2	2
22	PIO Funding	9	6	-	-	1	1	1
23	Packaging	4	2	-	-	1	-	1
24	Delivery Date Acceptance-Rejection	5	5	-	-	-	-	-
25	Spares Pricing	6	4	-	-	1	-	1
26	Acquisition Management	9	6	-	-	1	1	1
27	Due-In Asset	8	5	-	-	1	1	1
28	Operational Need Date	1	1	-	-	-	-	-
TOTALS		624	213	129	57	145	50	32

Briefing Table 3  
AIR FORCE/ATA EVENT MATRIX COMMONALITY  
Event Rank

RANK	EVENT NUMBER	EVENT NAME	COMMON DATA TYPE
01	15	SERD	Control
02	12	Item Cost-Price Review	Control
03	01	Documentation Requirements	Application, Technical
04	00	SAIP	Procurement
05	03	Guidance Conference	Application
06	14	Initial Spares Support	Technical
07	23	Packaging	Procurement
08	04	Interim LLIL	Application, Technical
09	05	Recommended LLIL	Application, Technical
10	17	Post Conference List	Technical
11	09	Provisioning Technical Documentation	Application, Technical
12	16	Design Change Notice	Application, Technical
13	10	Requirements Determination	Technical
14	11	Provisioning Conference	Technical

Briefing Table 3

AIR FORCE/ATA EVENT MATRIX COMMONALITY

Event Rank (Continued)

NAME	EVENT NUMBER	EVENT NAME	COMMON DATA TYPE
15	07	I&S	Control
16	13	MC-ND Number	Control
17	27	Due-In Asset	Procurement
18	10	SPTD	Control
19	06	Screening	Control
20	26	Acquisition Management	Procurement
21	22	PIO Funding	Technical
22	25	Spares Pricing	Procurement
23	19	Cataloging	Application
24	21	Provisioned Item Order	Technical
25	20	Supply Support Request	Control
26	28	Operational Need Date	N/A
27	02	Contract Award	N/A
28	24	Delivery Date Acceptance-Rejection	N/A

Briefing Table 4  
 AIR FORCE BENEFIT ANALYSIS  
 ATA Reduced Elements

AIR FORCE ELEMENT DISPOSITION	CURRENT MB BM B	PROPOSED MB BM B	REDUCED MB BM B
Unique Elements	81 33 99	52 3 66	29 30 33
Add to ATA	30 22 10	46 2 7	(10) 20 3
Maintain in D220	6 1 59	6 1 59	- - -
Delete from D220	45 10 30	- - -	45 10 30
Unique Element Conditions	109 14 6	87 3 3	22 10 3
Add to ATA	81 13 6	87 3 3	(6) 10 3
Delete from D220	28 1 -	- - -	28 1 -
Conversion Elements	173 26 51	183 4 30	(8) 22 21
Major Algorithm	36 6 13	38 2 9	- 4 4
Minor Algorithm	92 15 38	99 1 21	(7) 14 17
Direct Conversion	45 5 -	46 1 -	(1) 4 -
Identical Elements	26 2 4	26 - 4	- 2 -
Apply to D220	26 2 4	26 - 4	- 2 -
TOTALS	389 75 160	348 10 103	41 65 57

Briefing Table 5  
AIR FORCE BENEFIT PROFILE  
ATA Data Application

AIR FORCE ELEMENT DISPOSITION	TOTAL ELEMENTS	REDUCED PERCENTAGE	MB	DM	B
B/A	624	-	389/628	75/128	168/268
Add Unique Elements to ATA	617	18	485/668	55/98	157/258
Maintain Unique Elements in D228	617	-	485/668	55/98	157/258
Delete Unused Unique Elements from D228	532	148	368/688	45/88	127/248
Add Unique Conditions to ATA	525	18	366/788	35/68	124/248
Delete Unused Unique Condition Elements from D228	496	58	338/688	34/78	124/258
Convert Available ATA Elements	461	68	346/758	12/38	183/228
Apply Identical ATA Elements	459	-	346/758	18/28	183/238
TOTAL REDUCTIONS	165	278	43/118	65/878	57/368

Briefing Table 6  
EVENT MATRIX DISPOSITION

DATA TYPE	MANUFACTURER DATA		BUYER DATA	
	Air Force Current	Commercial Proposed	Air Force Current	Commercial Proposed
Control	138	239	34	8
Application	98	81	51	14
Technical	65	88	99	61
Procurement	47	89	48	28
Administration	49	160	11	1
TOTALS	389	665	235	112
				22

Briefing Table 7  
AIR FORCE DATA DISPOSITION  
Summary

ELEMENTS RECOMMENDED FOR ATA ADDITION	
Unique Air Force Data Elements	9
Unique Condition Air Force Elements	15
ELEMENTS NOT RECOMMENDED TO ATA	
Unique Air Force Elements Retained in D228 Processing	13
Infrequently Used Unique Elements Deleted from D228 Processing	18
ATA ELEMENTS RECOMMENDED FOR CONVERSION	
Air Force Elements Obtained by the Application of Minor Algorithms to Available ATA Data	16
Air Force Elements Obtained by the Application of Major Algorithms to Available ATA Data	6
DIRECTLY APPLICABLE ATA DATA	
ATA Elements Identical to Air Force Data Elements	2
Air Force Elements Obtained by Direct Conversion of ATA Data	5
TOTALS	94 Elements



Briefing Table 7-A  
AIR FORCE DATA DISPOSITION  
Recommended ATA Addition

UNIQUE ELEMENTS

C7 PIIN-SPIIN  
C10 PCCN  
C14 Reference Number Justification Code  
A9 Physical - Security Pilferage Code  
A18 Precious Metal Indicator Code  
T7 Not Repairable This Station  
P3 Production Lead Time  
D2 Control Data  
D6 Long Reference P/N Code

UNIQUE ELEMENT CONDITIONS

C5 National Stock Number  
C6 PLISN  
C9 Prior Item PLISN  
C11 Reference Designation  
C12 Reference Designation Code  
C16 Replaced or Superseding PLISN  
C17 Same as PLISN  
C18 Type of Change Code  
A11 Program Parts Selection List Code  
A18 Usable on Code  
D4 Extended Remarks  
D7 Multiple Card Count  
D10 Remarks  
D11 Submission Control Code

Briefing Table 7-2  
AIR FORCE DATA DISPOSITION  
Not Recommended ATA Addition

UNIQUE ELEMENTS - MAINTAIN D220 PROCESSING

C15 Reference Number Justification Code  
A3 Demilitarization Code  
T4 Document Availability Code  
T9 Item Management Code  
T12 Major Organizational Entity  
T13 MMAC  
T15 Method of Support Code  
T16 MOS Modifier Code  
T18 Primary Inventory Control Activity  
P1 ELIN  
P4 Prorated from ELIN  
P6 Quantity Procured  
P7 Quantity Shipped

INFREQUENTLY USED UNIQUE ELEMENTS - DELETE D220

C6 Phased Provisioning Code  
A1 ADP Code  
A2 Delivery Schedule  
A8 Mission Item Essentiality Code  
A16 Total Items Changed  
A17 Type of Item Code  
T2 Contractor Turn Around Time  
T9 Initial Supply and/or Other Support List  
T10 Maintenance Action Code  
T11 Maintenance Task Distribution  
T17 Overhaul Quantity  
T21 Special Handling Code  
T22 Special Item Code  
T23 Substitute MMAC  
T24 Substitute NSN  
P2 Procurement Control Identifier  
P5 Prorated Quantity  
P9 Requisition Number

\* Unique Condition

## Briefing Table 7-C

## AIR FORCE DATA DISPOSITION

## RECOMMENDED ATA CONVERSION

## MINOR ALGORITHM

## MAJOR ALGORITHM

C2 Indenture  
 A4 Drawing Status Code  
 A5 Essentiality Code  
 A6 Interchangeability Code  
 A13 Quantity Per End Item  
 A14 Serial Number  
 Effectivity - From  
 A15 Serial Number  
 Effectivity - To  
 A19 Work Unit Code  
 T1 Base Condemnation Rate  
 T3 Depot Condemnation Rate  
 T5 Failure Factor 1  
 T6 Overhaul Replacement (PF11)  
 T14 Maximum Allowable Operating Time  
 T19 Shelf Life Code  
 P10 Unit of Measure - Unit of Issue  
 D5 FSCM - Prime

## IDENTICAL ELEMENTS

C1 Federal Supply Code for Manufacturers  
 P8 Quantity Pack

## DIRECT CONVERSION

C3 Manufacturers Part Number  
 P11 Unit Price  
 D3 Date List Submitted  
 D8 Nomenclature  
 D9 Reference Designation Overflow Code